

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102821\
 Data File : VD070887.D
 Acq On : 28 Oct 2021 12:35
 Operator : VA/SY
 Sample : VD1028SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1028SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/29/2021 4:38:12 PM

Quant Time: Oct 29 05:22:49 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102621S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 27 05:34:47 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.973	168	480753	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	768611	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	723766	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	361111	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	226074	46.756	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.520%
35) Dibromofluoromethane	7.909	113	250994	49.527	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.060%
50) Toluene-d8	10.332	98	970245	50.889	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	101.780%
62) 4-Bromofluorobenzene	12.620	95	323164	51.371	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	102.740%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	76609	17.183	ug/l	99
3) Chloromethane	2.209	50	106471	16.872	ug/l	100
4) Vinyl Chloride	2.344	62	122146	17.498	ug/l	99
5) Bromomethane	2.750	94	80880	15.689	ug/l	87
6) Chloroethane	2.909	64	68876	15.970	ug/l	91
7) Trichlorofluoromethane	3.268	101	147550	17.161	ug/l	96
8) Diethyl Ether	3.709	74	44163	18.540	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.091	101	97714	17.633	ug/l	99
10) Methyl Iodide	4.291	142	83253	16.871	ug/l #	95
11) Tert butyl alcohol	5.220	59	24487	95.290	ug/l #	85
12) 1,1-Dichloroethene	4.068	96	88211	18.185	ug/l	92
13) Acrolein	3.921	56	18998	82.442	ug/l	97
14) Allyl chloride	4.709	41	138012	18.162	ug/l	98
15) Acrylonitrile	5.420	53	100631	88.194	ug/l	98
16) Acetone	4.156	43	89158	79.258	ug/l	96
17) Carbon Disulfide	4.409	76	280965	16.384	ug/l	98
18) Methyl Acetate	4.715	43	70713	18.336	ug/l	99
19) Methyl tert-butyl Ether	5.485	73	181856	18.022	ug/l	92
20) Methylene Chloride	4.962	84	127567	16.842	ug/l	93
21) trans-1,2-Dichloroethene	5.467	96	101287	17.620	ug/l	93
22) Diisopropyl ether	6.362	45	299703	19.019	ug/l	97
23) Vinyl Acetate	6.303	43	631273	89.152	ug/l	96
24) 1,1-Dichloroethane	6.262	63	190018	17.891	ug/l	98
25) 2-Butanone	7.214	43	119171	86.071	ug/l #	86
26) 2,2-Dichloropropane	7.203	77	153933	18.165	ug/l	99
27) cis-1,2-Dichloroethene	7.209	96	114210	18.540	ug/l	96
28) Bromochloromethane	7.538	49	77930	18.711	ug/l	99
29) Tetrahydrofuran	7.561	42	77015	92.071	ug/l	98
30) Chloroform	7.709	83	185638	17.414	ug/l	96
31) Cyclohexane	7.985	56	168446	17.097	ug/l	91
32) 1,1,1-Trichloroethane	7.897	97	163319	17.939	ug/l	98
36) 1,1-Dichloropropene	8.109	75	140984	17.531	ug/l	98
37) Ethyl Acetate	7.297	43	54664	18.283	ug/l	97
38) Carbon Tetrachloride	8.097	117	144104	17.820	ug/l	98
39) Methylcyclohexane	9.350	83	163809	17.702	ug/l	97
40) Benzene	8.344	78	423621	18.119	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102821\
 Data File : VD070887.D
 Acq On : 28 Oct 2021 12:35
 Operator : VA/SY
 Sample : VD1028SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1028SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/29/2021 4:38:12 PM

Quant Time: Oct 29 05:22:49 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102621S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 27 05:34:47 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	29237	18.485	ug/l #	84
42) 1,2-Dichloroethane	8.420	62	103337	17.360	ug/l	98
43) Isopropyl Acetate	8.444	43	96262	17.320	ug/l	98
44) Trichloroethene	9.108	130	113408	18.774	ug/l	99
45) 1,2-Dichloropropane	9.385	63	110424	17.814	ug/l	98
46) Dibromomethane	9.473	93	53945	17.751	ug/l	98
47) Bromodichloromethane	9.655	83	142837	18.182	ug/l	96
48) Methyl methacrylate	9.450	41	47930	18.049	ug/l	93
49) 1,4-Dioxane	9.456	88	13241	408.237	ug/l	95
51) 4-Methyl-2-Pentanone	10.220	43	263202	90.311	ug/l	98
52) Toluene	10.397	92	270837	19.275	ug/l	96
53) t-1,3-Dichloropropene	10.614	75	128891	18.825	ug/l	96
54) cis-1,3-Dichloropropene	10.085	75	155901	18.442	ug/l	96
55) 1,1,2-Trichloroethane	10.797	97	79968	18.554	ug/l	92
56) Ethyl methacrylate	10.655	69	84565	17.946	ug/l	98
57) 1,3-Dichloropropane	10.938	76	132925	18.304	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.938	63	198098	96.681	ug/l	99
59) 2-Hexanone	10.979	43	185363	89.096	ug/l	99
60) Dibromochloromethane	11.132	129	96361	18.633	ug/l	100
61) 1,2-Dibromoethane	11.238	107	71893	18.071	ug/l	98
64) Tetrachloroethene	10.867	164	96018	19.336	ug/l	96
65) Chlorobenzene	11.661	112	284799	19.180	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	101282	18.387	ug/l	97
67) Ethyl Benzene	11.738	91	478412	18.502	ug/l	98
68) m/p-Xylenes	11.844	106	383324	38.072	ug/l	100
69) o-Xylene	12.173	106	171037	18.756	ug/l	99
70) Styrene	12.185	104	305916	19.370	ug/l	98
71) Bromoform	12.349	173	55099	18.928	ug/l #	100
73) Isopropylbenzene	12.467	105	452314	18.779	ug/l	100
74) N-amyl acetate	12.279	43	95872	18.098	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	89657	18.241	ug/l	97
76) 1,2,3-Trichloropropane	12.767	75	64123m	18.038	ug/l	
77) Bromobenzene	12.749	156	112151	19.110	ug/l	99
78) n-propylbenzene	12.808	91	584775	18.915	ug/l	98
79) 2-Chlorotoluene	12.897	91	334269	18.621	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	388473	19.004	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	25847	19.084	ug/l	95
82) 4-Chlorotoluene	12.996	91	356897	19.131	ug/l	98
83) tert-Butylbenzene	13.214	119	319661	18.753	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	383661	19.036	ug/l	99
85) sec-Butylbenzene	13.391	105	500986	18.634	ug/l	98
86) p-Isopropyltoluene	13.502	119	413930	19.137	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	233472	19.265	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	227807	18.954	ug/l	98
89) n-Butylbenzene	13.832	91	388610	18.337	ug/l	98
90) Hexachloroethane	14.096	117	84747	17.460	ug/l	96
91) 1,2-Dichlorobenzene	13.873	146	197337	19.083	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.491	75	12519	17.483	ug/l	94
93) 1,2,4-Trichlorobenzene	15.143	180	116695	19.530	ug/l	97
94) Hexachlorobutadiene	15.249	225	74787	18.997	ug/l	99
95) Naphthalene	15.385	128	180617	18.736	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	96529	18.591	ug/l	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102821\
Data File : VD070887.D
Acq On : 28 Oct 2021 12:35
Operator : VA/SY
Sample : VD1028SBSD01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1028SBSD01

Manual Integrations
APPROVED

MMDadoda
10/29/2021 4:38:12 PM

Quant Time: Oct 29 05:22:49 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102621S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 27 05:34:47 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102821\
Data File : VD070887.D
Acq On : 28 Oct 2021 12:35
Operator : VA/SY
Sample : VD1028SBS01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
Client Sample ID :
VD1028SBS01

Manual Integrations
APPROVED

MMDadoda
10/29/2021 4:38:12 PM

Quant Time: Oct 29 05:22:49 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102621S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 27 05:34:47 2021
Response via : Initial Calibration

