

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071321\
 Data File : VD069673.D
 Acq On : 13 Jul 2021 16:37
 Operator : VA/SY
 Sample : VD0713SBS02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0713SBS02

Manual Integrations
 APPROVED

MMDadoda
 7/15/2021 5:31:31 PM

Quant Time: Jul 14 06:07:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 14 06:00:31 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	646070	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1183073	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1112232	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	500530	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	400041	49.590	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.180%
35) Dibromofluoromethane	7.914	113	386221	48.661	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.320%
50) Toluene-d8	10.338	98	1563121	50.693	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	101.380%
62) 4-Bromofluorobenzene	12.626	95	535974	52.118	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	104.240%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	92758	14.370	ug/l	95
3) Chloromethane	2.209	50	142658	15.445	ug/l	99
4) Vinyl Chloride	2.350	62	155060	15.778	ug/l	97
5) Bromomethane	2.750	94	109570	16.907	ug/l	97
6) Chloroethane	2.915	64	107845	17.151	ug/l	94
7) Trichlorofluoromethane	3.268	101	221981	17.911	ug/l	99
8) Diethyl Ether	3.703	74	64736	17.903	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.097	101	135305	17.605	ug/l	99
10) Methyl Iodide	4.297	142	99726	14.263	ug/l	99
11) Tert butyl alcohol	5.179	59	175525	162.852	ug/l #	82
12) 1,1-Dichloroethene	4.067	96	124767	17.708	ug/l	98
13) Acrolein	3.920	56	60289	108.403	ug/l	98
14) Allyl chloride	4.709	41	189859	17.440	ug/l	99
15) Acrylonitrile	5.420	53	144538	88.151	ug/l	99
16) Acetone	4.156	43	164184	104.174	ug/l	96
17) Carbon Disulfide	4.403	76	348568	14.333	ug/l	99
18) Methyl Acetate	4.720	43	112106	25.594	ug/l	98
19) Methyl tert-butyl Ether	5.479	73	258285	17.316	ug/l	98
20) Methylene Chloride	4.962	84	325810	25.920	ug/l	98
21) trans-1,2-Dichloroethene	5.467	96	144808	17.210	ug/l	98
22) Diisopropyl ether	6.356	45	398911	17.680	ug/l	97
23) Vinyl Acetate	6.309	43	901239	82.075	ug/l	99
24) 1,1-Dichloroethane	6.261	63	283285	17.992	ug/l	98
25) 2-Butanone	7.214	43	190511	99.921	ug/l	95
26) 2,2-Dichloropropane	7.208	77	234101	18.636	ug/l	99
27) cis-1,2-Dichloroethene	7.208	96	168138	18.524	ug/l	99
28) Bromochloromethane	7.550	49	107902	17.758	ug/l	98
29) Tetrahydrofuran	7.561	42	103265	87.418	ug/l	97
30) Chloroform	7.708	83	289391	18.477	ug/l	98
31) Cyclohexane	7.985	56	213379	15.830	ug/l #	91
32) 1,1,1-Trichloroethane	7.903	97	244233	18.391	ug/l	99
36) 1,1-Dichloropropene	8.108	75	210620	17.257	ug/l	99
37) Ethyl Acetate	7.297	43	86302	18.693	ug/l	99
38) Carbon Tetrachloride	8.097	117	192791	17.250	ug/l	96
39) Methylcyclohexane	9.355	83	204252	15.419	ug/l	97
40) Benzene	8.350	78	639500	18.166	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071321\
 Data File : VD069673.D
 Acq On : 13 Jul 2021 16:37
 Operator : VA/SY
 Sample : VD0713SBS02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0713SBS02

Manual Integrations
 APPROVED

MMDadoda
 7/15/2021 5:31:31 PM

Quant Time: Jul 14 06:07:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 14 06:00:31 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	48465	20.255	ug/l #	91
42) 1,2-Dichloroethane	8.420	62	170425	17.836	ug/l	99
43) Isopropyl Acetate	8.450	43	157111	18.583	ug/l	99
44) Trichloroethene	9.108	130	151778	17.780	ug/l	100
45) 1,2-Dichloropropane	9.385	63	167502	18.103	ug/l	96
46) Dibromomethane	9.473	93	81671	18.085	ug/l	99
47) Bromodichloromethane	9.661	83	216087	18.055	ug/l	93
48) Methyl methacrylate	9.455	41	70036	16.709	ug/l #	87
49) 1,4-Dioxane	9.455	88	16355	335.348	ug/l	93
51) 4-Methyl-2-Pentanone	10.226	43	424203	96.888	ug/l	99
52) Toluene	10.402	92	393977	18.606	ug/l	100
53) t-1,3-Dichloropropene	10.614	75	186079	18.495	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	230963	18.694	ug/l	99
55) 1,1,2-Trichloroethane	10.797	97	120353	19.052	ug/l	98
56) Ethyl methacrylate	10.655	69	128522	17.059	ug/l	98
57) 1,3-Dichloropropane	10.938	76	205149	18.395	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.938	63	295621	88.473	ug/l	100
59) 2-Hexanone	10.979	43	286208	98.075	ug/l	98
60) Dibromochloromethane	11.138	129	140134	19.016	ug/l	97
61) 1,2-Dibromoethane	11.238	107	108820	18.567	ug/l	99
64) Tetrachloroethene	10.873	164	127166	18.723	ug/l	94
65) Chlorobenzene	11.661	112	406771	18.308	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.738	131	149453	18.830	ug/l	99
67) Ethyl Benzene	11.738	91	726067	18.453	ug/l	98
68) m/p-Xylenes	11.849	106	551195	37.047	ug/l	99
69) o-Xylene	12.173	106	248250	18.324	ug/l	99
70) Styrene	12.185	104	441239	18.663	ug/l	99
71) Bromoform	12.355	173	73056	18.985	ug/l #	98
73) Isopropylbenzene	12.473	105	675962	18.966	ug/l	98
74) N-amyl acetate	12.279	43	143648	18.548	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	138524	19.513	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	95585m	19.658	ug/l	
77) Bromobenzene	12.749	156	149858	18.952	ug/l	98
78) n-propylbenzene	12.814	91	875750	19.379	ug/l	100
79) 2-Chlorotoluene	12.902	91	500538	18.841	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	588131	19.456	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	31299	17.299	ug/l	87
82) 4-Chlorotoluene	12.996	91	533059	19.121	ug/l	99
83) tert-Butylbenzene	13.214	119	458707	18.613	ug/l	97
84) 1,2,4-Trimethylbenzene	13.261	105	579665	19.327	ug/l	99
85) sec-Butylbenzene	13.391	105	725951	18.743	ug/l	99
86) p-Isopropyltoluene	13.508	119	609884	19.333	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	314797	19.170	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	308925	18.838	ug/l	98
89) n-Butylbenzene	13.832	91	603637	19.314	ug/l	100
90) Hexachloroethane	14.102	117	108005	16.825	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	265788	18.771	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.496	75	19721	18.651	ug/l	97
93) 1,2,4-Trichlorobenzene	15.149	180	153463	19.495	ug/l	99
94) Hexachlorobutadiene	15.255	225	88684	18.686	ug/l	98
95) Naphthalene	15.385	128	268411	18.409	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	131511	19.449	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071321\
Data File : VD069673.D
Acq On : 13 Jul 2021 16:37
Operator : VA/SY
Sample : VD0713SBS02
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0713SBS02

Manual Integrations
APPROVED

MMDadoda
7/15/2021 5:31:31 PM

Quant Time: Jul 14 06:07:09 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 14 06:00:31 2021
Response via : Initial Calibration

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

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

