

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092823\
 Data File : VD077232.D
 Acq On : 28 Sep 2023 15:10
 Operator : JC/SY
 Sample : VD0928SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/29/2023
 Supervised By : Mahesh Dadoda 09/29/2023

Quant Time: Sep 29 02:18:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091823S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 19 04:46:37 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.875	168	239296	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	407876	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	378194	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	193795	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	117480	48.646	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.300%		
35) Dibromofluoromethane	7.804	113	135759	47.919	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.840%		
50) Toluene-d8	10.269	98	497251	49.310	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.620%		
62) 4-Bromofluorobenzene	12.574	95	146688	46.932	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	93.860%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	60776	24.576	ug/l	95
3) Chloromethane	2.146	50	98918	21.639	ug/l	98
4) Vinyl Chloride	2.281	62	88562	18.111	ug/l	98
5) Bromomethane	2.687	94	60887	17.096	ug/l	94
6) Chloroethane	2.834	64	57838	19.009	ug/l	100
7) Trichlorofluoromethane	3.175	101	110625	25.030	ug/l	95
8) Diethyl Ether	3.593	74	31632	22.175	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.963	101	67256	24.339	ug/l	98
10) Methyl Iodide	4.157	142	71052	17.990	ug/l #	88
11) Tert butyl alcohol	5.051	59	17174	124.727	ug/l #	83
12) 1,1-Dichloroethene	3.934	96	61941	22.251	ug/l	88
13) Acrolein	3.793	56	15115	153.729	ug/l	99
14) Allyl chloride	4.557	41	78848	23.216	ug/l	94
15) Acrylonitrile	5.251	53	69032	115.407	ug/l	98
16) Acetone	4.016	43	65284	118.278	ug/l	91
17) Carbon Disulfide	4.269	76	198709	21.684	ug/l	98
18) Methyl Acetate	4.563	43	48262	23.123	ug/l	89
19) Methyl tert-butyl Ether	5.310	73	130456	21.658	ug/l	98
20) Methylene Chloride	4.798	84	115360	29.761	ug/l #	84
21) trans-1,2-Dichloroethene	5.310	96	74418	22.115	ug/l	95
22) Diisopropyl ether	6.210	45	177224	23.080	ug/l	94
23) Vinyl Acetate	6.151	43	417515	136.005	ug/l	98
24) 1,1-Dichloroethane	6.110	63	123320	22.376	ug/l	99
25) 2-Butanone	7.075	43	86149	118.637	ug/l #	86
26) 2,2-Dichloropropane	7.075	77	103170	22.054	ug/l	97
27) cis-1,2-Dichloroethene	7.075	96	78276	20.692	ug/l	92
28) Bromochloromethane	7.422	49	33693	19.909	ug/l	83
29) Tetrahydrofuran	7.445	42	48619	114.532	ug/l	88
30) Chloroform	7.598	83	132879	22.371	ug/l	93
31) Cyclohexane	7.881	56	96687	22.885	ug/l	94
32) 1,1,1-Trichloroethane	7.792	97	113192	22.830	ug/l	98
36) 1,1-Dichloropropene	8.004	75	95945	22.487	ug/l	98
37) Ethyl Acetate	7.169	43	36876	22.527	ug/l	98
38) Carbon Tetrachloride	7.992	117	93010	22.179	ug/l	98
39) Methylcyclohexane	9.275	83	106660	21.727	ug/l	95
40) Benzene	8.251	78	292545	22.162	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092823\
 Data File : VD077232.D
 Acq On : 28 Sep 2023 15:10
 Operator : JC/SY
 Sample : VD0928SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/29/2023
 Supervised By : Mahesh Dadoda 09/29/2023

Quant Time: Sep 29 02:18:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091823S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 19 04:46:37 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.398	41	18917	21.651	ug/l #	89
42) 1,2-Dichloroethane	8.328	62	71904	21.970	ug/l	96
43) Isopropyl Acetate	8.363	43	66941	22.210	ug/l	93
44) Trichloroethene	9.028	130	77899	21.321	ug/l	98
45) 1,2-Dichloropropane	9.304	63	73025	22.776	ug/l	97
46) Dibromomethane	9.392	93	40208	21.581	ug/l	95
47) Bromodichloromethane	9.586	83	94670	21.027	ug/l	99
48) Methyl methacrylate	9.381	41	32565	23.778	ug/l #	81
49) 1,4-Dioxane	9.392	88	7843	466.354	ug/l #	91
51) 4-Methyl-2-Pentanone	10.157	43	181868	115.380	ug/l	90
52) Toluene	10.333	92	181799	21.528	ug/l	97
53) t-1,3-Dichloropropene	10.557	75	91699	21.800	ug/l	93
54) cis-1,3-Dichloropropene	10.016	75	107590	21.349	ug/l #	94
55) 1,1,2-Trichloroethane	10.733	97	52813	20.841	ug/l	90
56) Ethyl methacrylate	10.598	69	58486	21.482	ug/l	90
57) 1,3-Dichloropropane	10.880	76	90415	22.040	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.869	63	80226	78.269	ug/l	97
59) 2-Hexanone	10.922	43	130886	115.730	ug/l	90
60) Dibromochloromethane	11.075	129	64729	20.855	ug/l	96
61) 1,2-Dibromoethane	11.180	107	51189	20.895	ug/l	97
64) Tetrachloroethene	10.810	164	64600	21.954	ug/l	94
65) Chlorobenzene	11.610	112	191816	21.560	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.680	131	68802	21.138	ug/l	97
67) Ethyl Benzene	11.686	91	325681	21.297	ug/l	99
68) m/p-Xylenes	11.792	106	261132	42.648	ug/l	89
69) o-Xylene	12.122	106	118072	21.010	ug/l	89
70) Styrene	12.133	104	210575	21.993	ug/l	98
71) Bromoform	12.304	173	36766	20.378	ug/l #	93
73) Isopropylbenzene	12.422	105	311475	21.752	ug/l	97
74) N-amyl acetate	12.233	43	63352	23.552	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.674	83	62750	23.221	ug/l	96
76) 1,2,3-Trichloropropane	12.722	75	33025m	21.364	ug/l	
77) Bromobenzene	12.704	156	76365	21.417	ug/l	92
78) n-propylbenzene	12.763	91	395333	22.586	ug/l	95
79) 2-Chlorotoluene	12.851	91	210547	21.814	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	257864	21.562	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	18054	22.106	ug/l	92
82) 4-Chlorotoluene	12.945	91	223070	21.990	ug/l	95
83) tert-Butylbenzene	13.169	119	216927	21.232	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	259227	21.377	ug/l	94
85) sec-Butylbenzene	13.345	105	336286	21.934	ug/l	96
86) p-Isopropyltoluene	13.463	119	280186	21.542	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	155409	21.194	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	152278	21.107	ug/l	97
89) n-Butylbenzene	13.786	91	258559	21.550	ug/l	98
90) Hexachloroethane	14.051	117	55308	21.442	ug/l	92
91) 1,2-Dichlorobenzene	13.833	146	132469	21.070	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.451	75	8131	22.534	ug/l	92
93) 1,2,4-Trichlorobenzene	15.098	180	77539	19.990	ug/l	99
94) Hexachlorobutadiene	15.204	225	40364	19.637	ug/l	99
95) Naphthalene	15.333	128	142758	20.071	ug/l	98
96) 1,2,3-Trichlorobenzene	15.521	180	70265	20.380	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092823\
Data File : VD077232.D
Acq On : 28 Sep 2023 15:10
Operator : JC/SY
Sample : VD0928SBSD01
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/29/2023
Supervised By :Mahesh Dadoda 09/29/2023

Quant Time: Sep 29 02:18:56 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091823S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 19 04:46:37 2023
Response via : Initial Calibration

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

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

