

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111422\
 Data File : VD074927.D
 Acq On : 14 Nov 2022 11:51
 Operator : VA/SY
 Sample : VD1114SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1114SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/15/2022
 Supervised By :Mahesh Dadoda 11/15/2022

Quant Time: Nov 15 00:15:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 14 00:51:58 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	129136	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	228040	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	206247	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	98589	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	51082	60.813	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 121.620%			
35) Dibromofluoromethane	7.810	113	59652	42.436	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 84.880%			
50) Toluene-d8	10.269	98	226777	48.975	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 97.940%			
62) 4-Bromofluorobenzene	12.575	95	74945	52.709	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 105.420%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	22901	25.296	ug/l	91
3) Chloromethane	2.146	50	33311	22.558	ug/l	97
4) Vinyl Chloride	2.287	62	41814	23.092	ug/l	96
5) Bromomethane	2.687	94	37716	27.288	ug/l	97
6) Chloroethane	2.834	64	31139	23.418	ug/l	89
7) Trichlorofluoromethane	3.175	101	51350	24.890	ug/l	95
8) Diethyl Ether	3.593	74	13941	23.568	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.975	101	31195	23.694	ug/l	99
10) Methyl Iodide	4.169	142	30219	22.229	ug/l	100
11) Tert butyl alcohol	5.052	59	7954	118.850	ug/l #	84
12) 1,1-Dichloroethene	3.946	96	29916	23.327	ug/l	90
13) Acrolein	3.805	56	6565	173.750	ug/l	94
14) Allyl chloride	4.569	41	32515	23.703	ug/l	99
15) Acrylonitrile	5.263	53	27924	120.799	ug/l	96
16) Acetone	4.022	43	25367	118.993	ug/l	99
17) Carbon Disulfide	4.269	76	84219	23.085	ug/l	96
18) Methyl Acetate	4.569	43	15624	27.126	ug/l	95
19) Methyl tert-butyl Ether	5.322	73	58031	22.602	ug/l	98
20) Methylene Chloride	4.805	84	53692	22.331	ug/l	90
21) trans-1,2-Dichloroethene	5.316	96	33367	22.944	ug/l	98
22) Diisopropyl ether	6.222	45	74581	24.393	ug/l #	94
23) Vinyl Acetate	6.163	43	154810	117.973	ug/l	97
24) 1,1-Dichloroethane	6.116	63	54903	24.046	ug/l	95
25) 2-Butanone	7.081	43	33661	120.747	ug/l	100
26) 2,2-Dichloropropane	7.075	77	49840	23.227	ug/l	99
27) cis-1,2-Dichloroethene	7.081	96	38240	23.702	ug/l	98
28) Bromochloromethane	7.434	49	15564	21.129	ug/l	89
29) Tetrahydrofuran	7.452	42	15656	101.460	ug/l	98
30) Chloroform	7.599	83	52219	20.883	ug/l	96
31) Cyclohexane	7.881	56	36772	19.532	ug/l	93
32) 1,1,1-Trichloroethane	7.793	97	45202	20.975	ug/l	96
36) 1,1-Dichloropropene	8.010	75	38115	18.449	ug/l	98
37) Ethyl Acetate	7.169	43	14400	20.772	ug/l #	91
38) Carbon Tetrachloride	7.999	117	35538	18.275	ug/l	96
39) Methylcyclohexane	9.275	83	43541	19.673	ug/l	95
40) Benzene	8.252	78	115428	19.431	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.410	41	6130	16.672	ug/l	94
42) 1,2-Dichloroethane	8.328	62	27516	19.355	ug/l	98
43) Isopropyl Acetate	8.363	43	22585	18.497	ug/l	97
44) Trichloroethene	9.028	130	32165	20.495	ug/l	99
45) 1,2-Dichloropropane	9.304	63	27380	20.513	ug/l	94
46) Dibromomethane	9.393	93	15350	20.535	ug/l	92
47) Bromodichloromethane	9.587	83	37674	20.307	ug/l	100
48) Methyl methacrylate	9.381	41	10382	19.195	ug/l	97
49) 1,4-Dioxane	9.381	88	2697	367.682	ug/l #	87
51) 4-Methyl-2-Pentanone	10.163	43	60218	103.454	ug/l	96
52) Toluene	10.334	92	76468	21.529	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	33997	20.744	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	41354	20.576	ug/l	98
55) 1,1,2-Trichloroethane	10.734	97	21788	20.962	ug/l	95
56) Ethyl methacrylate	10.598	69	21533	18.958	ug/l	95
57) 1,3-Dichloropropane	10.881	76	34766	20.805	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.875	63	42153	108.409	ug/l	97
59) 2-Hexanone	10.922	43	41576	102.461	ug/l	99
60) Dibromochloromethane	11.075	129	25798	20.922	ug/l	97
61) 1,2-Dibromoethane	11.181	107	20411	20.997	ug/l	100
64) Tetrachloroethene	10.810	164	26788	19.372	ug/l	93
65) Chlorobenzene	11.610	112	80000	19.828	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.687	131	28867	20.420	ug/l	99
67) Ethyl Benzene	11.687	91	138693	19.731	ug/l	96
68) m/p-Xylenes	11.798	106	112981	40.312	ug/l	98
69) o-Xylene	12.122	106	51153	19.838	ug/l	98
70) Styrene	12.140	104	89492	20.247	ug/l	99
71) Bromoform	12.304	173	15097	20.635	ug/l #	97
73) Isopropylbenzene	12.422	105	136151	20.064	ug/l	100
74) N-amyl acetate	12.234	43	21207	18.995	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.675	83	23326	19.433	ug/l	99
76) 1,2,3-Trichloropropane	12.728	75	13350m	16.190	ug/l	
77) Bromobenzene	12.704	156	31529	19.855	ug/l	92
78) n-propylbenzene	12.763	91	170536	20.445	ug/l	98
79) 2-Chlorotoluene	12.851	91	90891	20.223	ug/l	100
80) 1,3,5-Trimethylbenzene	12.904	105	112027	19.813	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	6734	20.090	ug/l	98
82) 4-Chlorotoluene	12.951	91	97659	20.866	ug/l	97
83) tert-Butylbenzene	13.169	119	95217	19.408	ug/l	98
84) 1,2,4-Trimethylbenzene	13.216	105	112722	20.157	ug/l	99
85) sec-Butylbenzene	13.345	105	150262	20.135	ug/l	99
86) p-Isopropyltoluene	13.463	119	123219	19.857	ug/l	99
87) 1,3-Dichlorobenzene	13.463	146	64822	19.623	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	66027	20.139	ug/l	97
89) n-Butylbenzene	13.787	91	115473	20.043	ug/l	98
90) Hexachloroethane	14.057	117	22739	20.460	ug/l	88
91) 1,2-Dichlorobenzene	13.834	146	56064	19.958	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	3437	20.769	ug/l	81
93) 1,2,4-Trichlorobenzene	15.098	180	32438	18.971	ug/l	99
94) Hexachlorobutadiene	15.204	225	17561	19.910	ug/l	99
95) Naphthalene	15.334	128	57504	18.119	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	27815	18.811	ug/l	100

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

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