

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111722\
 Data File : VD074964.D
 Acq On : 17 Nov 2022 12:43
 Operator : VA/SY
 Sample : VD1117SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1117SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/18/2022
 Supervised By :Mahesh Dadoda 11/18/2022

Quant Time: Nov 17 22:35:15 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	7.875	168	138055	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	239180	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	217687	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	102754	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	50321	55.509	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.020%			
35) Dibromofluoromethane	7.810	113	62149	42.153	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 84.300%			
50) Toluene-d8	10.269	98	228902	47.131	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 94.260%			
62) 4-Bromofluorobenzene	12.575	95	75832	50.849	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.700%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	22776	23.350	ug/l	99
3) Chloromethane	2.146	50	34166	21.478	ug/l	92
4) Vinyl Chloride	2.287	62	42958	22.192	ug/l	99
5) Bromomethane	2.687	94	38508	26.016	ug/l	100
6) Chloroethane	2.834	64	31913	22.450	ug/l	98
7) Trichlorofluoromethane	3.175	101	51988	23.571	ug/l	98
8) Diethyl Ether	3.593	74	14610	23.103	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.975	101	32392	23.014	ug/l	99
10) Methyl Iodide	4.169	142	35415	23.909	ug/l	99
11) Tert butyl alcohol	5.052	59	8729	122.485	ug/l #	91
12) 1,1-Dichloroethene	3.946	96	30905	22.542	ug/l	89
13) Acrolein	3.805	56	5629	132.860	ug/l	88
14) Allyl chloride	4.569	41	33503	22.846	ug/l	98
15) Acrylonitrile	5.252	53	28228	114.225	ug/l	99
16) Acetone	4.022	43	27418	120.304	ug/l	98
17) Carbon Disulfide	4.275	76	84738	21.727	ug/l	99
18) Methyl Acetate	4.563	43	15049	24.224	ug/l	96
19) Methyl tert-butyl Ether	5.316	73	59457	21.661	ug/l	98
20) Methylene Chloride	4.805	84	57355	22.299	ug/l	93
21) trans-1,2-Dichloroethene	5.316	96	34951	22.481	ug/l	91
22) Diisopropyl ether	6.222	45	75371	23.059	ug/l	94
23) Vinyl Acetate	6.158	43	160190m	114.186	ug/l	
24) 1,1-Dichloroethane	6.116	63	56683	23.222	ug/l	97
25) 2-Butanone	7.087	43	34591	116.067	ug/l	94
26) 2,2-Dichloropropane	7.075	77	52530	22.900	ug/l	99
27) cis-1,2-Dichloroethene	7.081	96	39250	22.756	ug/l	99
28) Bromochloromethane	7.428	49	18374	23.332	ug/l	98
29) Tetrahydrofuran	7.452	42	18938	114.800	ug/l	95
30) Chloroform	7.599	83	54559	20.409	ug/l	95
31) Cyclohexane	7.881	56	37460	18.612	ug/l	95
32) 1,1,1-Trichloroethane	7.793	97	46073	19.998	ug/l	97
36) 1,1-Dichloropropene	8.010	75	38463	17.751	ug/l	99
37) Ethyl Acetate	7.163	43	14160	19.475	ug/l #	96
38) Carbon Tetrachloride	7.993	117	35791	17.548	ug/l	98
39) Methylcyclohexane	9.275	83	44623	19.223	ug/l	93
40) Benzene	8.252	78	117291	18.825	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.410	41	6927	17.962	ug/l #	85
42) 1,2-Dichloroethane	8.328	62	28636	19.204	ug/l	100
43) Isopropyl Acetate	8.363	43	23328	18.216	ug/l	98
44) Trichloroethene	9.034	130	33122	20.121	ug/l	99
45) 1,2-Dichloropropane	9.304	63	27562	19.687	ug/l	96
46) Dibromomethane	9.393	93	15719	20.049	ug/l	90
47) Bromodichloromethane	9.587	83	39278	20.186	ug/l	95
48) Methyl methacrylate	9.387	41	11410	20.113	ug/l	90
49) 1,4-Dioxane	9.387	88	2706	351.727	ug/l	94
51) 4-Methyl-2-Pentanone	10.163	43	60739	99.489	ug/l	97
52) Toluene	10.334	92	76659	20.578	ug/l	97
53) t-1,3-Dichloropropene	10.557	75	35839	20.850	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	42628	20.222	ug/l	99
55) 1,1,2-Trichloroethane	10.734	97	22375	20.524	ug/l	98
56) Ethyl methacrylate	10.598	69	22432	18.848	ug/l	96
57) 1,3-Dichloropropane	10.881	76	35491	20.249	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.875	63	42663	105.323	ug/l	97
59) 2-Hexanone	10.922	43	43229	101.573	ug/l	97
60) Dibromochloromethane	11.075	129	26292	20.330	ug/l	99
61) 1,2-Dibromoethane	11.181	107	21498	21.085	ug/l	95
64) Tetrachloroethene	10.810	164	27675	18.961	ug/l	96
65) Chlorobenzene	11.610	112	82457	19.363	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.681	131	29554	19.807	ug/l	97
67) Ethyl Benzene	11.687	91	141446	19.065	ug/l	97
68) m/p-Xylenes	11.793	106	112671	38.089	ug/l	98
69) o-Xylene	12.122	106	51889	19.066	ug/l	98
70) Styrene	12.140	104	91044	19.516	ug/l	98
71) Bromoform	12.304	173	14733	19.079	ug/l #	96
73) Isopropylbenzene	12.428	105	136477	19.297	ug/l	100
74) N-amyl acetate	12.234	43	21669	18.622	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.675	83	25285	20.211	ug/l	93
76) 1,2,3-Trichloropropane	12.728	75	18603m	21.646	ug/l	
77) Bromobenzene	12.704	156	31556	19.066	ug/l	90
78) n-propylbenzene	12.769	91	170101	19.566	ug/l	99
79) 2-Chlorotoluene	12.851	91	93079	19.870	ug/l	99
80) 1,3,5-Trimethylbenzene	12.910	105	114762	19.474	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	6980	19.979	ug/l	95
82) 4-Chlorotoluene	12.951	91	96417	19.765	ug/l	99
83) tert-Butylbenzene	13.169	119	96668	18.905	ug/l	99
84) 1,2,4-Trimethylbenzene	13.216	105	113976	19.555	ug/l	99
85) sec-Butylbenzene	13.351	105	153514	19.737	ug/l	99
86) p-Isopropyltoluene	13.463	119	124551	19.258	ug/l	100
87) 1,3-Dichlorobenzene	13.463	146	65761	19.101	ug/l	99
88) 1,4-Dichlorobenzene	13.539	146	65944	19.299	ug/l	98
89) n-Butylbenzene	13.792	91	118145	19.676	ug/l	96
90) Hexachloroethane	14.057	117	22935	19.800	ug/l	90
91) 1,2-Dichlorobenzene	13.834	146	56334	19.241	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.457	75	3340	19.364	ug/l	85
93) 1,2,4-Trichlorobenzene	15.104	180	32555	18.267	ug/l	97
94) Hexachlorobutadiene	15.204	225	17490	19.026	ug/l	98
95) Naphthalene	15.339	128	58952	17.822	ug/l	99
96) 1,2,3-Trichlorobenzene	15.528	180	28592	18.552	ug/l	99

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

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