

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101722\
 Data File : VD074542.D
 Acq On : 17 Oct 2022 14:03
 Operator : VA/SY
 Sample : VD1017SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1017SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/18/2022
 Supervised By :Mahesh Dadoda 10/19/2022

Quant Time: Oct 17 23:08:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101122S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 12 13:14:00 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	95195	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	159329	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	134420	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	61650	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	41305	50.409	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.820%			
35) Dibromofluoromethane	7.810	113	49692	51.881	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.760%			
50) Toluene-d8	10.269	98	183684	50.347	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.700%			
62) 4-Bromofluorobenzene	12.569	95	51744	45.717	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 91.440%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	15209	16.525	ug/l	87
3) Chloromethane	2.146	50	22468	19.615	ug/l	96
4) Vinyl Chloride	2.281	62	23837	20.117	ug/l	99
5) Bromomethane	2.675	94	18219	21.672	ug/l	100
6) Chloroethane	2.828	64	15977	20.209	ug/l	95
7) Trichlorofluoromethane	3.170	101	33962	18.729	ug/l	91
8) Diethyl Ether	3.587	74	10065	18.490	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.964	101	22027	18.073	ug/l	98
10) Methyl Iodide	4.158	142	23718	18.183	ug/l	98
12) 1,1-Dichloroethene	3.934	96	22511	18.133	ug/l	92
13) Acrolein	3.799	56	3858	92.136	ug/l	89
14) Allyl chloride	4.552	41	24336	18.007	ug/l	97
15) Acrylonitrile	5.258	53	20707	95.562	ug/l	97
16) Acetone	4.022	43	16003	90.540	ug/l	89
17) Carbon Disulfide	4.264	76	65688	17.896	ug/l	99
18) Methyl Acetate	4.564	43	10895	19.371	ug/l	97
19) Methyl tert-butyl Ether	5.316	73	44467	18.823	ug/l	99
20) Methylene Chloride	4.799	84	29870	15.802	ug/l	87
21) trans-1,2-Dichloroethene	5.311	96	25424	19.013	ug/l	86
22) Diisopropyl ether	6.222	45	51895	19.205	ug/l #	96
23) Vinyl Acetate	6.152	43	103894m	88.563	ug/l	
24) 1,1-Dichloroethane	6.111	63	38363	18.341	ug/l	98
25) 2-Butanone	7.081	43	21943	89.934	ug/l	95
26) 2,2-Dichloropropane	7.081	77	34306	18.632	ug/l	98
27) cis-1,2-Dichloroethene	7.081	96	27911	19.597	ug/l	99
28) Bromochloromethane	7.428	49	11422	20.681	ug/l	97
29) Tetrahydrofuran	7.452	42	13266	98.593	ug/l	97
30) Chloroform	7.593	83	41742	20.597	ug/l	100
31) Cyclohexane	7.881	56	32893	18.867	ug/l	98
32) 1,1,1-Trichloroethane	7.793	97	37449	20.406	ug/l	98
36) 1,1-Dichloropropene	8.005	75	31940	20.888	ug/l	98
37) Ethyl Acetate	7.169	43	10078	20.081	ug/l #	96
38) Carbon Tetrachloride	7.987	117	29228	20.673	ug/l	91
39) Methylcyclohexane	9.275	83	36433	19.036	ug/l	98
40) Benzene	8.252	78	92974	20.429	ug/l	97
41) Methacrylonitrile	7.399	41	5865	20.367	ug/l #	88

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	8.322	62	21607	20.092	ug/l	99
43) Isopropyl Acetate	8.363	43	18666	20.242	ug/l #	84
44) Trichloroethene	9.028	130	24585	18.883	ug/l	96
45) 1,2-Dichloropropane	9.305	63	19744	19.042	ug/l	93
46) Dibromomethane	9.393	93	10832	18.593	ug/l	96
47) Bromodichloromethane	9.587	83	26952	18.715	ug/l	94
48) Methyl methacrylate	9.381	41	7884	17.668	ug/l	98
49) 1,4-Dioxane	9.387	88	2111	348.790	ug/l #	89
51) 4-Methyl-2-Pentanone	10.157	43	44162	96.807	ug/l	97
52) Toluene	10.334	92	57162	19.873	ug/l	98
53) t-1,3-Dichloropropene	10.552	75	24611	19.601	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	29776	18.776	ug/l	99
55) 1,1,2-Trichloroethane	10.734	97	15460	19.796	ug/l	96
56) Ethyl methacrylate	10.599	69	17287	19.202	ug/l	95
57) 1,3-Dichloropropane	10.875	76	24841	19.019	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	14550	95.795	ug/l	99
59) 2-Hexanone	10.922	43	29482	96.543	ug/l	100
60) Dibromochloromethane	11.075	129	18068	19.235	ug/l	97
61) 1,2-Dibromoethane	11.181	107	14320	19.707	ug/l	99
64) Tetrachloroethene	10.810	164	21126	20.989	ug/l	96
65) Chlorobenzene	11.604	112	60311	20.902	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	20485	20.923	ug/l	98
67) Ethyl Benzene	11.681	91	108375	21.190	ug/l	96
68) m/p-Xylenes	11.793	106	86510	42.420	ug/l	97
69) o-Xylene	12.116	106	40008	21.084	ug/l	98
70) Styrene	12.134	104	67765	21.134	ug/l	99
71) Bromoform	12.298	173	10646	21.347	ug/l #	98
73) Isopropylbenzene	12.422	105	105217	21.215	ug/l	99
74) N-amyl acetate	12.234	43	15285	19.678	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.669	83	16196	20.645	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	12307m	23.359	ug/l	
77) Bromobenzene	12.698	156	23156	20.638	ug/l	96
78) n-propylbenzene	12.763	91	129275	21.545	ug/l	100
79) 2-Chlorotoluene	12.845	91	66391	20.616	ug/l	98
80) 1,3,5-Trimethylbenzene	12.904	105	87077	21.603	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.463	75	4100	19.739	ug/l	98
82) 4-Chlorotoluene	12.945	91	71253	22.044	ug/l	99
83) tert-Butylbenzene	13.163	119	78373	22.205	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	84328	21.119	ug/l	96
85) sec-Butylbenzene	13.345	105	113587	21.120	ug/l	98
86) p-Isopropyltoluene	13.457	119	96038	21.506	ug/l	99
87) 1,3-Dichlorobenzene	13.451	146	48823	21.239	ug/l	99
88) 1,4-Dichlorobenzene	13.534	146	48965	21.464	ug/l	98
89) n-Butylbenzene	13.787	91	89240	21.394	ug/l	99
90) Hexachloroethane	14.051	117	16312	20.690	ug/l	98
91) 1,2-Dichlorobenzene	13.828	146	43242	22.051	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	2384	22.229	ug/l	90
93) 1,2,4-Trichlorobenzene	15.092	180	27348	21.150	ug/l	100
94) Hexachlorobutadiene	15.204	225	14703	21.870	ug/l	99
95) Naphthalene	15.328	128	49208	20.151	ug/l	98
96) 1,2,3-Trichlorobenzene	15.516	180	23399	21.199	ug/l	96

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

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