

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101722\
 Data File : VD074541.D
 Acq On : 17 Oct 2022 13:35
 Operator : VA/SY
 Sample : VD1017SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 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 23:08:11 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	90910	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	157441	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	132438	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	60906	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	41323	52.808	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.620%			
35) Dibromofluoromethane	7.805	113	48724	51.457	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.920%			
50) Toluene-d8	10.269	98	176608	49.035	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.080%			
62) 4-Bromofluorobenzene	12.569	95	53334	47.952	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 95.900%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	14690	16.713	ug/l	91
3) Chloromethane	2.146	50	22860	20.898	ug/l	95
4) Vinyl Chloride	2.281	62	21807	19.271	ug/l	98
5) Bromomethane	2.675	94	15821	19.707	ug/l	89
6) Chloroethane	2.828	64	15402	20.400	ug/l	95
7) Trichlorofluoromethane	3.170	101	32768	18.922	ug/l	95
8) Diethyl Ether	3.587	74	9987	19.212	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.964	101	21121	18.146	ug/l	97
10) Methyl Iodide	4.158	142	20057	16.710	ug/l	97
11) Tert butyl alcohol	5.046	59	9110	15.014	ug/l #	84
12) 1,1-Dichloroethene	3.940	96	21666	18.275	ug/l	98
13) Acrolein	3.787	56	3607	90.202	ug/l	91
14) Allyl chloride	4.564	41	24418	18.919	ug/l	99
15) Acrylonitrile	5.264	53	20281	98.008	ug/l	97
16) Acetone	4.022	43	15963	94.571	ug/l	95
17) Carbon Disulfide	4.269	76	64591	18.426	ug/l	96
18) Methyl Acetate	4.558	43	10373	19.312	ug/l	99
19) Methyl tert-butyl Ether	5.311	73	43284	19.185	ug/l	94
20) Methylene Chloride	4.793	84	28151	15.495	ug/l	94
21) trans-1,2-Dichloroethene	5.305	96	25017	19.591	ug/l	89
22) Diisopropyl ether	6.216	45	51683	20.028	ug/l	94
23) Vinyl Acetate	6.152	43	94503m	84.355	ug/l	
24) 1,1-Dichloroethane	6.105	63	37929	18.988	ug/l	97
25) 2-Butanone	7.081	43	22924	98.383	ug/l	89
26) 2,2-Dichloropropane	7.075	77	32902	18.712	ug/l	97
27) cis-1,2-Dichloroethene	7.075	96	27140	19.954	ug/l	99
28) Bromochloromethane	7.422	49	11146	21.133	ug/l	95
29) Tetrahydrofuran	7.446	42	13407	104.337	ug/l	98
30) Chloroform	7.599	83	40528	20.940	ug/l	96
31) Cyclohexane	7.875	56	33004	19.823	ug/l	97
32) 1,1,1-Trichloroethane	7.793	97	36662	20.919	ug/l	96
36) 1,1-Dichloropropene	8.005	75	31903	21.114	ug/l	98
37) Ethyl Acetate	7.175	43	9795	19.751	ug/l #	78
38) Carbon Tetrachloride	7.993	117	29062	20.802	ug/l	95
39) Methylcyclohexane	9.275	83	38803	20.517	ug/l	97
40) Benzene	8.252	78	93250	20.735	ug/l	96

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41) Methacrylonitrile	7.399	41	6066m	21.318	ug/l	
42) 1,2-Dichloroethane	8.328	62	21333	20.075	ug/l	99
43) Isopropyl Acetate	8.357	43	18581	20.392	ug/l	99
44) Trichloroethene	9.028	130	26596	20.673	ug/l	97
45) 1,2-Dichloropropane	9.305	63	21312	20.801	ug/l	98
46) Dibromomethane	9.399	93	11991	20.829	ug/l	96
47) Bromodichloromethane	9.587	83	29473	20.711	ug/l	99
48) Methyl methacrylate	9.381	41	7720	17.508	ug/l	92
49) 1,4-Dioxane	9.387	88	2415	403.804	ug/l	91
51) 4-Methyl-2-Pentanone	10.157	43	43781	97.122	ug/l	94
52) Toluene	10.334	92	56805	19.986	ug/l	99
53) t-1,3-Dichloropropene	10.557	75	23373	18.838	ug/l	92
54) cis-1,3-Dichloropropene	10.016	75	30117	19.219	ug/l	99
55) 1,1,2-Trichloroethane	10.734	97	14910	19.321	ug/l #	84
56) Ethyl methacrylate	10.593	69	16999	19.109	ug/l	96
57) 1,3-Dichloropropane	10.881	76	24873	19.272	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.875	63	13843	93.427	ug/l	99
59) 2-Hexanone	10.916	43	29785	98.705	ug/l	97
60) Dibromochloromethane	11.069	129	18132	19.534	ug/l	98
61) 1,2-Dibromoethane	11.181	107	13825	19.254	ug/l	97
64) Tetrachloroethene	10.810	164	20543	20.715	ug/l	96
65) Chlorobenzene	11.604	112	60814	21.392	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	20262	21.005	ug/l	99
67) Ethyl Benzene	11.681	91	105792	20.994	ug/l	99
68) m/p-Xylenes	11.793	106	84612	42.110	ug/l	99
69) o-Xylene	12.122	106	39449	21.101	ug/l	96
70) Styrene	12.134	104	68226	21.596	ug/l	99
71) Bromoform	12.298	173	9995	20.341	ug/l #	92
73) Isopropylbenzene	12.416	105	103989	21.224	ug/l	99
74) N-amyl acetate	12.228	43	15784	20.569	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.669	83	16544	21.346	ug/l	95
76) 1,2,3-Trichloropropane	12.722	75	10065m	19.337	ug/l	
77) Bromobenzene	12.698	156	23951	21.607	ug/l	98
78) n-propylbenzene	12.763	91	129234	21.802	ug/l	99
79) 2-Chlorotoluene	12.845	91	67956	21.359	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	86457	21.711	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.469	75	4042	19.698	ug/l	97
82) 4-Chlorotoluene	12.945	91	70681	22.134	ug/l	99
83) tert-Butylbenzene	13.163	119	77744	22.296	ug/l	100
84) 1,2,4-Trimethylbenzene	13.210	105	86599	21.953	ug/l	100
85) sec-Butylbenzene	13.345	105	113935	21.444	ug/l	97
86) p-Isopropyltoluene	13.457	119	96223	21.811	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	49417	21.760	ug/l	100
88) 1,4-Dichlorobenzene	13.534	146	48117	21.350	ug/l	99
89) n-Butylbenzene	13.787	91	86319	20.946	ug/l	99
90) Hexachloroethane	14.051	117	17119	21.978	ug/l	89
91) 1,2-Dichlorobenzene	13.828	146	42065	21.713	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.440	75	2380	22.462	ug/l	90
93) 1,2,4-Trichlorobenzene	15.098	180	28073	21.976	ug/l	99
94) Hexachlorobutadiene	15.198	225	14870	22.389	ug/l	97
95) Naphthalene	15.328	128	49770	20.630	ug/l	99
96) 1,2,3-Trichlorobenzene	15.516	180	24027	22.034	ug/l	99

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

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