

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101322\
 Data File : VD074524.D
 Acq On : 13 Oct 2022 12:49
 Operator : VA/SY
 Sample : VD1013SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1013SBS01

Quant Time: Oct 13 16:55:28 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

Manual Integrations APPROVED

Reviewed By :Krupa Patel 10/14/2022
 Supervised By :Mahesh Dadoda 10/14/2022

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	92090	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	157652	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	132248	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	62880	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	43281	54.602	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.200%			
35) Dibromofluoromethane	7.804	113	49904	52.700	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.400%			
50) Toluene-d8	10.269	98	186565	51.635	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.280%			
62) 4-Bromofluorobenzene	12.569	95	54923	49.490	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 98.980%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	15006	16.854	ug/l	96
3) Chloromethane	2.146	50	21745	19.624	ug/l	95
4) Vinyl Chloride	2.275	62	21994	19.187	ug/l	99
5) Bromomethane	2.675	94	17701	21.766	ug/l	97
6) Chloroethane	2.828	64	14853	19.421	ug/l	96
7) Trichlorofluoromethane	3.164	101	34095	19.436	ug/l	94
8) Diethyl Ether	3.587	74	10153	19.281	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.963	101	21956	18.622	ug/l	99
10) Methyl Iodide	4.152	142	21176	17.191	ug/l	97
11) Tert butyl alcohol	5.016	59	13709	87.742	ug/l #	84
12) 1,1-Dichloroethene	3.940	96	22164	18.455	ug/l	94
13) Acrolein	3.799	56	4322	106.697	ug/l	92
14) Allyl chloride	4.558	41	25141	19.230	ug/l	99
15) Acrylonitrile	5.258	53	21259	101.418	ug/l	98
16) Acetone	4.016	43	16343	95.581	ug/l	91
17) Carbon Disulfide	4.263	76	65341	18.402	ug/l	100
18) Methyl Acetate	4.569	43	11176	20.541	ug/l	98
19) Methyl tert-butyl Ether	5.316	73	45334	19.837	ug/l	99
20) Methylene Chloride	4.793	84	32593	18.801	ug/l	94
21) trans-1,2-Dichloroethene	5.310	96	24654	19.059	ug/l	98
22) Diisopropyl ether	6.210	45	53903	20.621	ug/l	98
23) Vinyl Acetate	6.152	43	107634	94.845	ug/l	99
24) 1,1-Dichloroethane	6.110	63	39837	19.687	ug/l	96
25) 2-Butanone	7.087	43	24146	102.300	ug/l	100
26) 2,2-Dichloropropane	7.069	77	34548	19.396	ug/l	98
27) cis-1,2-Dichloroethene	7.081	96	27238	19.770	ug/l	95
28) Bromochloromethane	7.428	49	11733	21.961	ug/l	94
29) Tetrahydrofuran	7.446	42	14057	107.994	ug/l	96
30) Chloroform	7.593	83	41861	21.352	ug/l	95
31) Cyclohexane	7.875	56	32787	19.440	ug/l	91
32) 1,1,1-Trichloroethane	7.793	97	37653	21.209	ug/l	97
36) 1,1-Dichloropropene	8.010	75	31434	20.776	ug/l	100
37) Ethyl Acetate	7.163	43	10447	21.037	ug/l	98
38) Carbon Tetrachloride	7.987	117	29898	21.372	ug/l	92
39) Methylcyclohexane	9.275	83	37353	19.724	ug/l #	87
40) Benzene	8.251	78	94576	21.002	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	5717	20.065	ug/l	93
42) 1,2-Dichloroethane	8.322	62	22218	20.880	ug/l	99
43) Isopropyl Acetate	8.363	43	19913	21.824	ug/l #	81
44) Trichloroethene	9.028	130	26790	20.795	ug/l	96
45) 1,2-Dichloropropane	9.304	63	21656	21.109	ug/l	95
46) Dibromomethane	9.393	93	12255	21.259	ug/l	94
47) Bromodichloromethane	9.587	83	30208	21.199	ug/l	91
48) Methyl methacrylate	9.381	41	9468	21.443	ug/l	92
49) 1,4-Dioxane	9.381	88	2929	489.093	ug/l #	88
51) 4-Methyl-2-Pentanone	10.157	43	47785	105.863	ug/l	99
52) Toluene	10.334	92	56924	20.001	ug/l	96
53) t-1,3-Dichloropropene	10.551	75	24563	19.771	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	31580	20.125	ug/l	98
55) 1,1,2-Trichloroethane	10.734	97	15895	20.569	ug/l	96
56) Ethyl methacrylate	10.598	69	18173	20.401	ug/l	95
57) 1,3-Dichloropropane	10.881	76	26139	20.225	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	15103	98.919	ug/l	95
59) 2-Hexanone	10.922	43	31469	104.146	ug/l	97
60) Dibromochloromethane	11.075	129	19209	20.667	ug/l	99
61) 1,2-Dibromoethane	11.181	107	14914	20.742	ug/l	97
64) Tetrachloroethene	10.810	164	21327	21.536	ug/l	87
65) Chlorobenzene	11.604	112	60120	21.178	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.681	131	20044	20.809	ug/l	98
67) Ethyl Benzene	11.681	91	107950	21.454	ug/l	97
68) m/p-Xylenes	11.792	106	86391	43.057	ug/l	99
69) o-Xylene	12.122	106	39876	21.360	ug/l	95
70) Styrene	12.134	104	66865	21.196	ug/l	98
71) Bromoform	12.298	173	11027	22.474	ug/l #	97
73) Isopropylbenzene	12.422	105	105175	20.792	ug/l	100
74) N-amyl acetate	12.234	43	16672	21.044	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.669	83	17923	22.399	ug/l	93
76) 1,2,3-Trichloropropane	12.716	75	12195m	22.693	ug/l	
77) Bromobenzene	12.698	156	23221	20.291	ug/l	96
78) n-propylbenzene	12.763	91	127830	20.888	ug/l	99
79) 2-Chlorotoluene	12.845	91	68476	20.847	ug/l	100
80) 1,3,5-Trimethylbenzene	12.898	105	86984	21.158	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	4363	20.595	ug/l	97
82) 4-Chlorotoluene	12.945	91	70419	21.359	ug/l	98
83) tert-Butylbenzene	13.163	119	72121	20.034	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	85042	20.881	ug/l	99
85) sec-Butylbenzene	13.339	105	113580	20.706	ug/l	99
86) p-Isopropyltoluene	13.457	119	92968	20.412	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	49611	21.159	ug/l	98
88) 1,4-Dichlorobenzene	13.534	146	49180	21.136	ug/l	98
89) n-Butylbenzene	13.786	91	87657	20.603	ug/l	99
90) Hexachloroethane	14.051	117	16581	20.619	ug/l	93
91) 1,2-Dichlorobenzene	13.828	146	41616	20.807	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.439	75	2222	20.313	ug/l	95
93) 1,2,4-Trichlorobenzene	15.092	180	26870	20.374	ug/l	99
94) Hexachlorobutadiene	15.198	225	14083	20.538	ug/l	98
95) Naphthalene	15.328	128	50654	20.338	ug/l	99
96) 1,2,3-Trichlorobenzene	15.516	180	23189	20.598	ug/l	99

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

