

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092722\
 Data File : VD074438.D
 Acq On : 27 Sep 2022 11:56
 Operator : VA/SY
 Sample : VD0927SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0927SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/28/2022
 Supervised By :Mahesh Dadoda 09/28/2022

Quant Time: Sep 28 04:38:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D092622S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 27 03:19:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	55399	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	90340	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	77766	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	40886	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	23597	49.474	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.940%		
35) Dibromofluoromethane	7.810	113	30134	49.522	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.040%		
50) Toluene-d8	10.269	98	101473	49.392	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.780%		
62) 4-Bromofluorobenzene	12.569	95	33678	46.540	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	93.080%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	9944	21.861	ug/l	93
3) Chloromethane	2.146	50	11406	26.745	ug/l	97
4) Vinyl Chloride	2.281	62	9453	24.223	ug/l	95
5) Bromomethane	2.681	94	6256	20.860	ug/l	91
6) Chloroethane	2.828	64	6570	24.578	ug/l	89
7) Trichlorofluoromethane	3.175	101	20438	22.709	ug/l	96
8) Diethyl Ether	3.587	74	5662	21.340	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.952	101	13575	22.232	ug/l	96
10) Methyl Iodide	4.158	142	10450	20.755	ug/l	99
11) Tert butyl alcohol	5.040	59	7444m	93.151	ug/l	
12) 1,1-Dichloroethene	3.940	96	12684	22.018	ug/l	89
13) Acrolein	3.799	56	3410	103.032	ug/l	93
14) Allyl chloride	4.558	41	13021	21.921	ug/l	99
15) Acrylonitrile	5.252	53	11274	100.177	ug/l	96
16) Acetone	4.022	43	8114	87.694	ug/l	99
17) Carbon Disulfide	4.269	76	33065	25.198	ug/l	98
18) Methyl Acetate	4.563	43	5856	20.980	ug/l	98
19) Methyl tert-butyl Ether	5.310	73	26206	21.164	ug/l	98
20) Methylene Chloride	4.799	84	20390	25.539	ug/l	98
21) trans-1,2-Dichloroethene	5.305	96	14218	23.221	ug/l	92
22) Diisopropyl ether	6.210	45	28671	21.105	ug/l #	90
23) Vinyl Acetate	6.152	43	54245m	94.060	ug/l	
24) 1,1-Dichloroethane	6.105	63	22260	21.755	ug/l	96
25) 2-Butanone	7.075	43	11832	93.324	ug/l	95
26) 2,2-Dichloropropane	7.069	77	19419	20.406	ug/l	99
27) cis-1,2-Dichloroethene	7.081	96	15500	21.330	ug/l	97
28) Bromochloromethane	7.428	49	6683	20.502	ug/l #	98
29) Tetrahydrofuran	7.446	42	6878	95.547	ug/l	99
30) Chloroform	7.599	83	24851	21.582	ug/l	97
31) Cyclohexane	7.875	56	17549	21.670	ug/l	89
32) 1,1,1-Trichloroethane	7.793	97	22304	22.568	ug/l	98
36) 1,1-Dichloropropene	8.004	75	17874	21.788	ug/l	96
37) Ethyl Acetate	7.163	43	5206	19.257	ug/l	96
38) Carbon Tetrachloride	7.987	117	16754	21.341	ug/l	94
39) Methylcyclohexane	9.275	83	21854	22.480	ug/l	98
40) Benzene	8.246	78	52176	21.544	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.387	41	2896m	17.764	ug/l	
42) 1,2-Dichloroethane	8.328	62	12625	20.778	ug/l	96
43) Isopropyl Acetate	8.357	43	10361	19.713	ug/l #	82
44) Trichloroethene	9.028	130	16234	21.916	ug/l	94
45) 1,2-Dichloropropane	9.304	63	12379	21.555	ug/l #	87
46) Dibromomethane	9.399	93	7042	20.756	ug/l	96
47) Bromodichloromethane	9.581	83	16813	19.161	ug/l	98
48) Methyl methacrylate	9.381	41	4814	20.507	ug/l	98
49) 1,4-Dioxane	9.381	88	1329	380.184	ug/l #	67
51) 4-Methyl-2-Pentanone	10.157	43	25445	94.207	ug/l	100
52) Toluene	10.334	92	32684	20.880	ug/l	97
53) t-1,3-Dichloropropene	10.551	75	14168	19.427	ug/l	94
54) cis-1,3-Dichloropropene	10.022	75	19183	20.610	ug/l	96
55) 1,1,2-Trichloroethane	10.734	97	9881	20.918	ug/l	93
56) Ethyl methacrylate	10.598	69	10277	19.393	ug/l	98
57) 1,3-Dichloropropane	10.881	76	15126	19.641	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.869	63	5894	89.719	ug/l	91
59) 2-Hexanone	10.922	43	16788	92.091	ug/l	98
60) Dibromochloromethane	11.069	129	11925	20.157	ug/l	98
61) 1,2-Dibromoethane	11.175	107	8919	19.423	ug/l	97
64) Tetrachloroethene	10.810	164	13343	22.125	ug/l	94
65) Chlorobenzene	11.604	112	36346	21.580	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.675	131	13105	21.495	ug/l	98
67) Ethyl Benzene	11.681	91	63243	21.343	ug/l	95
68) m/p-Xylenes	11.792	106	50741	43.631	ug/l	100
69) o-Xylene	12.122	106	23340	21.643	ug/l	97
70) Styrene	12.134	104	40994	21.807	ug/l	98
71) Bromoform	12.298	173	7141	21.256	ug/l #	98
73) Isopropylbenzene	12.416	105	64401	21.217	ug/l	99
74) N-amyl acetate	12.228	43	9197	19.222	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.669	83	10653	20.116	ug/l	100
76) 1,2,3-Trichloropropane	12.728	75	7544m	23.591	ug/l	
77) Bromobenzene	12.698	156	15440	21.473	ug/l	95
78) n-propylbenzene	12.757	91	77683	21.273	ug/l	99
79) 2-Chlorotoluene	12.845	91	42146	21.385	ug/l	99
80) 1,3,5-Trimethylbenzene	12.898	105	52919	21.074	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.463	75	2321	17.711	ug/l	99
82) 4-Chlorotoluene	12.945	91	41955	20.765	ug/l	99
83) tert-Butylbenzene	13.163	119	46575	20.495	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	53030	21.212	ug/l	100
85) sec-Butylbenzene	13.339	105	70951	20.861	ug/l	99
86) p-Isopropyltoluene	13.457	119	59690	20.997	ug/l	100
87) 1,3-Dichlorobenzene	13.451	146	30941	20.965	ug/l	98
88) 1,4-Dichlorobenzene	13.534	146	30620	20.726	ug/l	99
89) n-Butylbenzene	13.781	91	53927	20.459	ug/l	99
90) Hexachloroethane	14.051	117	10897	21.656	ug/l	97
91) 1,2-Dichlorobenzene	13.828	146	26655	20.712	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	1526	21.788	ug/l	96
93) 1,2,4-Trichlorobenzene	15.092	180	17423	19.993	ug/l	96
94) Hexachlorobutadiene	15.198	225	10280	21.524	ug/l	97
95) Naphthalene	15.328	128	30339	19.117	ug/l	99
96) 1,2,3-Trichlorobenzene	15.516	180	15643	20.933	ug/l	98

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

