

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091922\
 Data File : VD074346.D
 Acq On : 19 Sep 2022 13:53
 Operator : VA/SY
 Sample : VD0919SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0919SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/20/2022
 Supervised By :Mahesh Dadoda 09/20/2022

Quant Time: Sep 19 23:01:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091622S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 17 04:16:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	97946	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	162919	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	150567	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	74983	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	50452	52.884	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.760%			
35) Dibromofluoromethane	7.804	113	52228	48.675	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.340%			
50) Toluene-d8	10.269	98	211339	57.082	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 114.160%			
62) 4-Bromofluorobenzene	12.569	95	66444	53.336	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 106.680%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	19029	21.090	ug/l	98
3) Chloromethane	2.140	50	16434	19.153	ug/l	94
4) Vinyl Chloride	2.275	62	15514	18.423	ug/l	98
5) Bromomethane	2.664	94	10275	19.736	ug/l	92
6) Chloroethane	2.822	64	10035	20.283	ug/l	97
7) Trichlorofluoromethane	3.158	101	33853	20.630	ug/l	93
8) Diethyl Ether	3.587	74	10879	20.798	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.952	101	21649	20.981	ug/l	98
10) Methyl Iodide	4.152	142	23347	18.318	ug/l	96
11) Tert butyl alcohol	5.063	59	7422	115.120	ug/l #	89
12) 1,1-Dichloroethene	3.928	96	21626	20.590	ug/l	93
13) Acrolein	3.793	56	7456	107.235	ug/l	95
14) Allyl chloride	4.552	41	32203	21.185	ug/l	100
15) Acrylonitrile	5.252	53	25310	109.773	ug/l	97
16) Acetone	4.016	43	22581	105.062	ug/l	100
17) Carbon Disulfide	4.258	76	63382	18.533	ug/l	98
18) Methyl Acetate	4.558	43	13632	22.439	ug/l	97
19) Methyl tert-butyl Ether	5.311	73	49892	22.182	ug/l	96
20) Methylene Chloride	4.787	84	49085	33.680	ug/l	96
21) trans-1,2-Dichloroethene	5.305	96	24275	20.874	ug/l	95
22) Diisopropyl ether	6.210	45	72977	22.794	ug/l	93
23) Vinyl Acetate	6.152	43	156378m	104.939	ug/l	
24) 1,1-Dichloroethane	6.105	63	43482	21.100	ug/l	96
25) 2-Butanone	7.081	43	33058	103.265	ug/l	98
26) 2,2-Dichloropropane	7.075	77	34272	20.146	ug/l	100
27) cis-1,2-Dichloroethene	7.075	96	26879	20.861	ug/l	98
28) Bromochloromethane	7.422	49	16055	20.176	ug/l	96
29) Tetrahydrofuran	7.440	42	21034	114.651	ug/l	96
30) Chloroform	7.593	83	42798	21.121	ug/l	94
31) Cyclohexane	7.875	56	38887	19.435	ug/l	96
32) 1,1,1-Trichloroethane	7.793	97	37314	20.874	ug/l	98
36) 1,1-Dichloropropene	8.004	75	34039	20.782	ug/l	99
37) Ethyl Acetate	7.163	43	14913	22.727	ug/l	96
38) Carbon Tetrachloride	7.993	117	31283	21.552	ug/l	89
39) Methylcyclohexane	9.275	83	40627	20.506	ug/l	98
40) Benzene	8.246	78	97607	21.253	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	9168m	25.741	ug/l	
42) 1,2-Dichloroethane	8.322	62	25208	21.492	ug/l	98
43) Isopropyl Acetate	8.363	43	27279	22.533	ug/l	97
44) Trichloroethene	9.028	130	25751	21.327	ug/l	93
45) 1,2-Dichloropropane	9.304	63	24973	21.622	ug/l	100
46) Dibromomethane	9.393	93	13209	22.233	ug/l	93
47) Bromodichloromethane	9.581	83	32390	22.135	ug/l	96
48) Methyl methacrylate	9.375	41	11978	20.446	ug/l	92
49) 1,4-Dioxane	9.381	88	3031	466.189	ug/l	97
51) 4-Methyl-2-Pentanone	10.157	43	71071	111.738	ug/l	98
52) Toluene	10.328	92	61450	21.723	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	29046	22.248	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	35626	21.092	ug/l	97
55) 1,1,2-Trichloroethane	10.734	97	18337	23.432	ug/l	93
56) Ethyl methacrylate	10.598	69	22417	21.867	ug/l	97
57) 1,3-Dichloropropane	10.875	76	31528	22.291	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	23400	99.856	ug/l	99
59) 2-Hexanone	10.916	43	50354	113.182	ug/l	100
60) Dibromochloromethane	11.069	129	20032	21.376	ug/l	97
61) 1,2-Dibromoethane	11.181	107	15889	21.141	ug/l	97
64) Tetrachloroethene	10.804	164	20651	20.234	ug/l #	83
65) Chlorobenzene	11.604	112	65099	20.987	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.675	131	22062	20.712	ug/l	98
67) Ethyl Benzene	11.681	91	119564	21.010	ug/l	99
68) m/p-Xylenes	11.787	106	92465	42.418	ug/l	99
69) o-Xylene	12.116	106	42504	21.336	ug/l	99
70) Styrene	12.128	104	75002	22.107	ug/l	99
71) Bromoform	12.292	173	12158	21.270	ug/l #	97
73) Isopropylbenzene	12.416	105	113976	19.763	ug/l	99
74) N-amyl acetate	12.228	43	27403	21.501	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.669	83	21619	21.575	ug/l	96
76) 1,2,3-Trichloropropane	12.716	75	13762m	19.837	ug/l	
77) Bromobenzene	12.692	156	25163	19.968	ug/l	99
78) n-propylbenzene	12.757	91	145075	20.279	ug/l	100
79) 2-Chlorotoluene	12.839	91	76056	20.159	ug/l	99
80) 1,3,5-Trimethylbenzene	12.898	105	95985	20.355	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.463	75	5028	18.164	ug/l #	100
82) 4-Chlorotoluene	12.940	91	78731	20.123	ug/l	98
83) tert-Butylbenzene	13.157	119	85882	20.538	ug/l	99
84) 1,2,4-Trimethylbenzene	13.204	105	95137	20.507	ug/l	98
85) sec-Butylbenzene	13.339	105	127444	20.538	ug/l	100
86) p-Isopropyltoluene	13.451	119	105672	20.376	ug/l	100
87) 1,3-Dichlorobenzene	13.451	146	53680	20.722	ug/l	98
88) 1,4-Dichlorobenzene	13.528	146	51873	20.490	ug/l	98
89) n-Butylbenzene	13.781	91	104780	20.628	ug/l	99
90) Hexachloroethane	14.045	117	19985	20.418	ug/l	94
91) 1,2-Dichlorobenzene	13.822	146	45048	20.625	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.434	75	2995	20.107	ug/l	93
93) 1,2,4-Trichlorobenzene	15.092	180	30317	20.576	ug/l	98
94) Hexachlorobutadiene	15.192	225	17649	21.084	ug/l	94
95) Naphthalene	15.322	128	55416	20.291	ug/l	100
96) 1,2,3-Trichlorobenzene	15.510	180	26621	21.023	ug/l	99

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

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