

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091922\
 Data File : VD074352.D
 Acq On : 19 Sep 2022 18:00
 Operator : VA/SY
 Sample : VD0919SBS02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0919SBS02

Quant Time: Sep 19 23:02:16 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	92052	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	147549	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	136776	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	66282	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.222	65	40861	45.573	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.140%		
35) Dibromofluoromethane	7.804	113	44975	46.282	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.560%		
50) Toluene-d8	10.269	98	185489	55.319	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	110.640%		
62) 4-Bromofluorobenzene	12.569	95	55208	48.400	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	96.800%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.928	85	16513	19.473	ug/l	95
3) Chloromethane	2.140	50	25269	31.335	ug/l	96
4) Vinyl Chloride	2.275	62	16073	20.309	ug/l	94
5) Bromomethane	2.669	94	4478	9.152	ug/l	94
6) Chloroethane	2.822	64	10218	21.975	ug/l	96
7) Trichlorofluoromethane	3.164	101	29309	19.004	ug/l	99
8) Diethyl Ether	3.587	74	8571	17.435	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.963	101	19546	20.156	ug/l	97
10) Methyl Iodide	4.146	142	11748	9.807	ug/l	97
11) Tert butyl alcohol	5.046	59	12652m	208.806	ug/l	
12) 1,1-Dichloroethene	3.934	96	19381	19.634	ug/l	95
13) Acrolein	3.793	56	5136	78.598	ug/l	86
14) Allyl chloride	4.552	41	28356	19.849	ug/l	100
15) Acrylonitrile	5.252	53	18010	83.114	ug/l	99
16) Acetone	4.016	43	14654	72.546	ug/l	97
17) Carbon Disulfide	4.258	76	57325	17.835	ug/l	97
18) Methyl Acetate	4.563	43	9573	16.415	ug/l #	83
19) Methyl tert-butyl Ether	5.316	73	39154	18.522	ug/l	96
20) Methylene Chloride	4.793	84	32788	20.860	ug/l #	84
21) trans-1,2-Dichloroethene	5.305	96	21684	19.840	ug/l	93
22) Diisopropyl ether	6.216	45	59930	19.917	ug/l	97
23) Vinyl Acetate	6.152	43	141462	101.540	ug/l	99
24) 1,1-Dichloroethane	6.105	63	39741	20.519	ug/l	96
25) 2-Butanone	7.081	43	22600	75.117	ug/l	96
26) 2,2-Dichloropropane	7.075	77	32413	20.273	ug/l	97
27) cis-1,2-Dichloroethene	7.069	96	23626	19.511	ug/l	97
28) Bromochloromethane	7.422	49	13290	17.771	ug/l	92
29) Tetrahydrofuran	7.446	42	14260	82.704	ug/l	98
30) Chloroform	7.593	83	38767	20.356	ug/l	94
31) Cyclohexane	7.875	56	34313	18.247	ug/l #	87
32) 1,1,1-Trichloroethane	7.793	97	34480	20.524	ug/l	99
36) 1,1-Dichloropropene	8.010	75	30237	20.384	ug/l	99
37) Ethyl Acetate	7.169	43	10842	18.244	ug/l	99
38) Carbon Tetrachloride	7.993	117	23498	17.875	ug/l	88
39) Methylcyclohexane	9.269	83	36560	20.376	ug/l	98
40) Benzene	8.251	78	87760	21.100	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	6822	21.149	ug/l	93
42) 1,2-Dichloroethane	8.322	62	20399	19.204	ug/l	96
43) Isopropyl Acetate	8.363	43	20309	18.523	ug/l #	89
44) Trichloroethene	9.028	130	24082	22.022	ug/l	98
45) 1,2-Dichloropropane	9.304	63	21321	20.383	ug/l	94
46) Dibromomethane	9.393	93	10109	18.788	ug/l	98
47) Bromodichloromethane	9.587	83	27943	21.085	ug/l	93
48) Methyl methacrylate	9.375	41	9681	18.246	ug/l	99
49) 1,4-Dioxane	9.381	88	2600	441.555	ug/l	93
51) 4-Methyl-2-Pentanone	10.157	43	51150	88.795	ug/l	97
52) Toluene	10.334	92	54251	21.175	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	24748	20.930	ug/l	93
54) cis-1,3-Dichloropropene	10.016	75	30370	19.853	ug/l	96
55) 1,1,2-Trichloroethane	10.728	97	14336	20.227	ug/l	95
56) Ethyl methacrylate	10.593	69	17478	18.825	ug/l	99
57) 1,3-Dichloropropane	10.881	76	24703	19.285	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	6359	52.282	ug/l	93
59) 2-Hexanone	10.916	43	34965	86.778	ug/l	96
60) Dibromochloromethane	11.069	129	17432	20.539	ug/l	97
61) 1,2-Dibromoethane	11.181	107	12990	19.085	ug/l	99
64) Tetrachloroethene	10.804	164	22885	24.684	ug/l	100
65) Chlorobenzene	11.604	112	57713	20.482	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.675	131	19564	20.218	ug/l	96
67) Ethyl Benzene	11.681	91	106013	20.508	ug/l	97
68) m/p-Xylenes	11.787	106	82505	41.665	ug/l	100
69) o-Xylene	12.116	106	37375	20.653	ug/l	97
70) Styrene	12.128	104	64578	20.953	ug/l	98
71) Bromoform	12.298	173	9418	18.138	ug/l #	96
73) Isopropylbenzene	12.416	105	104761	20.550	ug/l	98
74) N-amyl acetate	12.228	43	19838	17.608	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.663	83	16533	18.666	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	10728m	17.493	ug/l	
77) Bromobenzene	12.692	156	22797	20.465	ug/l	91
78) n-propylbenzene	12.757	91	130475	20.633	ug/l	99
79) 2-Chlorotoluene	12.839	91	68419	20.516	ug/l	100
80) 1,3,5-Trimethylbenzene	12.898	105	85745	20.570	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.463	75	4158	16.993	ug/l #	100
82) 4-Chlorotoluene	12.939	91	70250	20.313	ug/l	98
83) tert-Butylbenzene	13.163	119	75574	20.445	ug/l	98
84) 1,2,4-Trimethylbenzene	13.204	105	83321	20.317	ug/l	99
85) sec-Butylbenzene	13.339	105	113748	20.737	ug/l	100
86) p-Isopropyltoluene	13.451	119	94706	20.659	ug/l	99
87) 1,3-Dichlorobenzene	13.451	146	44735	19.536	ug/l	97
88) 1,4-Dichlorobenzene	13.528	146	44681	19.966	ug/l	98
89) n-Butylbenzene	13.781	91	91193	20.310	ug/l	99
90) Hexachloroethane	14.045	117	12737	14.721	ug/l	93
91) 1,2-Dichlorobenzene	13.822	146	37452	19.398	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.439	75	2223	16.884	ug/l	86
93) 1,2,4-Trichlorobenzene	15.086	180	24859	19.087	ug/l	98
94) Hexachlorobutadiene	15.192	225	16522	22.329	ug/l	97
95) Naphthalene	15.322	128	39994	16.567	ug/l	99
96) 1,2,3-Trichlorobenzene	15.510	180	21223	18.960	ug/l	98

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

