

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD090922\
 Data File : VD074243.D
 Acq On : 09 Sep 2022 15:45
 Operator : VA/SY
 Sample : VSTDICC010
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/12/2022
 Supervised By :Mahesh Dadoda 09/12/2022

Quant Time: Sep 10 02:45:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 10 02:44:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.869	168	125382	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.769	114	204916	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.569	117	185036	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.498	152	89691	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.222	65	12755	9.906	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	19.820%#		
35) Dibromofluoromethane	7.799	113	18111	13.256	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	26.520%#		
50) Toluene-d8	10.257	98	45893	10.079	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	20.160%#		
62) 4-Bromofluorobenzene	12.557	95	29631	17.278	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	34.560%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	12660	12.255	ug/l	89
3) Chloromethane	2.140	50	10900	14.459	ug/l	93
4) Vinyl Chloride	2.276	62	8536	11.131	ug/l #	85
5) Bromomethane	2.675	94	4194	8.716	ug/l	95
6) Chloroethane	2.823	64	5258	10.807	ug/l	93
7) Trichlorofluoromethane	3.158	101	24281	10.922	ug/l	99
8) Diethyl Ether	3.593	74	7554	12.218	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.952	101	15217	11.180	ug/l	99
10) Methyl Iodide	4.158	142	16874	11.304	ug/l	99
11) Tert butyl alcohol	5.052	59	5352	64.517	ug/l #	74
12) 1,1-Dichloroethene	3.928	96	14933	12.185	ug/l	98
13) Acrolein	3.787	56	5875	115.961	ug/l	90
14) Allyl chloride	4.552	41	22967	12.004	ug/l	99
15) Acrylonitrile	5.264	53	17355	59.761	ug/l	99
16) Acetone	4.022	43	13428	54.162	ug/l	89
17) Carbon Disulfide	4.258	76	45397	12.942	ug/l	98
18) Methyl Acetate	4.558	43	9516	12.204	ug/l	99
19) Methyl tert-butyl Ether	5.317	73	34501	11.580	ug/l	98
20) Methylene Chloride	4.793	84	23482	12.384	ug/l	91
21) trans-1,2-Dichloroethene	5.299	96	17074	12.012	ug/l	96
22) Diisopropyl ether	6.211	45	47376	11.859	ug/l	98
23) Vinyl Acetate	6.152	43	98137m	48.739	ug/l	
24) 1,1-Dichloroethane	6.105	63	29738	11.400	ug/l	98
25) 2-Butanone	7.081	43	23362	60.696	ug/l	97
26) 2,2-Dichloropropane	7.069	77	25869	11.078	ug/l	96
27) cis-1,2-Dichloroethene	7.075	96	18751	11.622	ug/l	99
28) Bromochloromethane	7.422	49	7468	9.248	ug/l #	96
29) Tetrahydrofuran	7.434	42	14452	62.314	ug/l	96
30) Chloroform	7.593	83	29663	10.928	ug/l	85
31) Cyclohexane	7.863	56	29257	12.996	ug/l #	89
32) 1,1,1-Trichloroethane	7.787	97	25660	10.249	ug/l	98
36) 1,1-Dichloropropene	7.993	75	24026	11.822	ug/l	98
37) Ethyl Acetate	7.169	43	10112	12.273	ug/l #	96
38) Carbon Tetrachloride	7.987	117	20642	9.619	ug/l	96
39) Methylcyclohexane	9.269	83	29415	12.638	ug/l	89
40) Benzene	8.246	78	63768	11.071	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	4503m	8.968	ug/l	
42) 1,2-Dichloroethane	8.316	62	17764	10.596	ug/l	98
43) Isopropyl Acetate	8.352	43	19087	11.499	ug/l	96
44) Trichloroethene	9.022	130	18502	11.114	ug/l	93
45) 1,2-Dichloropropane	9.293	63	16535	11.378	ug/l	96
46) Dibromomethane	9.387	93	8810	10.997	ug/l	96
47) Bromodichloromethane	9.581	83	21401	10.297	ug/l	97
48) Methyl methacrylate	9.369	41	9028	11.894	ug/l	95
49) 1,4-Dioxane	9.375	88	1986	212.405	ug/l #	68
51) 4-Methyl-2-Pentanone	10.152	43	48360	58.390	ug/l	97
52) Toluene	10.322	92	41897	11.123	ug/l	99
53) t-1,3-Dichloropropene	10.546	75	19132	10.096	ug/l	99
54) cis-1,3-Dichloropropene	10.010	75	24279	10.793	ug/l	99
55) 1,1,2-Trichloroethane	10.728	97	11796	10.647	ug/l	92
56) Ethyl methacrylate	10.587	69	15440	12.018	ug/l	97
57) 1,3-Dichloropropane	10.869	76	20945	11.303	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.863	63	15824	43.287	ug/l	97
59) 2-Hexanone	10.910	43	32084	57.478	ug/l	99
60) Dibromochloromethane	11.063	129	14440	10.214	ug/l	99
61) 1,2-Dibromoethane	11.169	107	11760	11.008	ug/l	99
64) Tetrachloroethene	10.799	164	15176	11.393	ug/l	94
65) Chlorobenzene	11.593	112	43870	10.964	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.663	131	15549	10.390	ug/l	97
67) Ethyl Benzene	11.669	91	81309	11.810	ug/l	97
68) m/p-Xylenes	11.781	106	62128	22.917	ug/l	100
69) o-Xylene	12.104	106	29173	11.591	ug/l	99
70) Styrene	12.122	104	48219	11.210	ug/l	98
71) Bromoform	12.281	173	8721	10.618	ug/l #	99
73) Isopropylbenzene	12.404	105	78569	12.050	ug/l	100
74) N-amyl acetate	12.216	43	17962	12.320	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.657	83	14095	11.868	ug/l	97
76) 1,2,3-Trichloropropane	12.710	75	9744m	10.813	ug/l	
77) Bromobenzene	12.681	156	17486	11.354	ug/l	98
78) n-propylbenzene	12.746	91	96632	12.115	ug/l	99
79) 2-Chlorotoluene	12.834	91	53076	11.598	ug/l	99
80) 1,3,5-Trimethylbenzene	12.887	105	65992	11.886	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.451	75	3456	10.101	ug/l #	100
82) 4-Chlorotoluene	12.928	91	53967	11.228	ug/l	99
83) tert-Butylbenzene	13.151	119	57385	12.126	ug/l	98
84) 1,2,4-Trimethylbenzene	13.193	105	62903	11.613	ug/l	100
85) sec-Butylbenzene	13.328	105	85525	11.984	ug/l	99
86) p-Isopropyltoluene	13.446	119	69996	11.940	ug/l	99
87) 1,3-Dichlorobenzene	13.440	146	36460	11.732	ug/l	97
88) 1,4-Dichlorobenzene	13.522	146	34550	11.034	ug/l	96
89) n-Butylbenzene	13.769	91	68943	12.294	ug/l	100
90) Hexachloroethane	14.034	117	12314	10.378	ug/l	93
91) 1,2-Dichlorobenzene	13.810	146	31172	11.474	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.428	75	1885	9.902	ug/l	92
93) 1,2,4-Trichlorobenzene	15.081	180	22180	13.161	ug/l	94
94) Hexachlorobutadiene	15.181	225	11938	12.530	ug/l	99
95) Naphthalene	15.310	128	38908	12.682	ug/l	99
96) 1,2,3-Trichlorobenzene	15.498	180	18034	12.240	ug/l	98

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

