

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080522\
 Data File : VD073965.D
 Acq On : 05 Aug 2022 14:55
 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 08/08/2022
 Supervised By :Mahesh Dadoda 08/08/2022

Quant Time: Aug 06 00:10:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080522S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 06 00:09:30 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	140999	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	238908	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.631	117	218113	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	106030	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	16896	12.758	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	25.520%#		
35) Dibromofluoromethane	7.908	113	16294	11.070	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	22.140%#		
50) Toluene-d8	10.332	98	56446	12.062	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	24.120%#		
62) 4-Bromofluorobenzene	12.620	95	19738	10.062	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	20.120%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	16331	11.239	ug/l	99
3) Chloromethane	2.208	50	24088	11.659	ug/l	91
4) Vinyl Chloride	2.344	62	30652	11.018	ug/l	97
5) Bromomethane	2.761	94	20422	10.577	ug/l	96
6) Chloroethane	2.914	64	22612	11.629	ug/l	90
7) Trichlorofluoromethane	3.267	101	30260	11.264	ug/l	92
8) Diethyl Ether	3.702	74	6093	9.741	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.091	101	17945	11.897	ug/l	92
10) Methyl Iodide	4.297	142	15779	10.626	ug/l	98
11) Tert butyl alcohol	5.208	59	6390	52.271	ug/l #	86
12) 1,1-Dichloroethene	4.061	96	14159	10.617	ug/l	92
13) Acrolein	3.920	56	1776	26.950	ug/l	94
14) Allyl chloride	4.697	41	19517	11.025	ug/l	98
15) Acrylonitrile	5.414	53	13810	51.662	ug/l #	85
16) Acetone	4.161	43	14315	59.532	ug/l	90
17) Carbon Disulfide	4.402	76	46995	11.233	ug/l	95
18) Methyl Acetate	4.714	43	6697	9.096	ug/l #	75
19) Methyl tert-butyl Ether	5.479	73	30809	9.953	ug/l #	89
20) Methylene Chloride	4.961	84	30352	12.929	ug/l	91
21) trans-1,2-Dichloroethene	5.461	96	17729	11.001	ug/l	93
22) Diisopropyl ether	6.361	45	41005	10.753	ug/l	90
23) Vinyl Acetate	6.302	43	104167	52.314	ug/l	99
24) 1,1-Dichloroethane	6.261	63	28493	10.850	ug/l	96
25) 2-Butanone	7.208	43	20438	56.615	ug/l	98
26) 2,2-Dichloropropane	7.202	77	29547	11.333	ug/l	100
27) cis-1,2-Dichloroethene	7.208	96	18489	10.602	ug/l	94
28) Bromochloromethane	7.538	49	8350	9.943	ug/l #	94
29) Tetrahydrofuran	7.561	42	11209	52.568	ug/l	98
30) Chloroform	7.696	83	31619	10.657	ug/l	96
31) Cyclohexane	7.979	56	27357	11.392	ug/l	98
32) 1,1,1-Trichloroethane	7.896	97	31460	11.141	ug/l	98
36) 1,1-Dichloropropene	8.108	75	24778	10.664	ug/l	94
37) Ethyl Acetate	7.285	43	7325	8.477	ug/l #	94
38) Carbon Tetrachloride	8.085	117	27037	10.448	ug/l	91
39) Methylcyclohexane	9.349	83	25905	9.750	ug/l	97
40) Benzene	8.343	78	65593	10.394	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	4166	9.128	ug/l #	76
42) 1,2-Dichloroethane	8.414	62	19505	10.188	ug/l	99
43) Isopropyl Acetate	8.443	43	17286	10.237	ug/l	99
44) Trichloroethene	9.102	130	19212	10.577	ug/l	97
45) 1,2-Dichloropropane	9.373	63	15639	10.573	ug/l	96
46) Dibromomethane	9.467	93	10188	10.455	ug/l	96
47) Bromodichloromethane	9.649	83	24893	10.488	ug/l	95
48) Methyl methacrylate	9.449	41	7709	9.984	ug/l	96
49) 1,4-Dioxane	9.449	88	1807	174.654	ug/l #	78
51) 4-Methyl-2-Pentanone	10.214	43	41799	49.754	ug/l	94
52) Toluene	10.390	92	40511	9.706	ug/l	97
53) t-1,3-Dichloropropene	10.608	75	20766	9.721	ug/l	100
54) cis-1,3-Dichloropropene	10.079	75	23959	9.834	ug/l #	85
55) 1,1,2-Trichloroethane	10.784	97	12796	10.365	ug/l	96
56) Ethyl methacrylate	10.649	69	12208	9.104	ug/l	96
57) 1,3-Dichloropropane	10.931	76	20437	10.200	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.932	63	20349	39.676	ug/l	94
59) 2-Hexanone	10.973	43	26889	48.321	ug/l	98
60) Dibromochloromethane	11.126	129	16778	10.144	ug/l	96
61) 1,2-Dibromoethane	11.237	107	12015	9.732	ug/l	99
64) Tetrachloroethene	10.867	164	15972	10.438	ug/l	93
65) Chlorobenzene	11.655	112	46468	10.547	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.731	131	17537	10.408	ug/l	98
67) Ethyl Benzene	11.731	91	75994	9.937	ug/l	95
68) m/p-Xylenes	11.837	106	61570	19.862	ug/l	98
69) o-Xylene	12.167	106	27833	9.777	ug/l	99
70) Styrene	12.178	104	47502	9.767	ug/l	99
71) Bromoform	12.343	173	10072	10.461	ug/l #	93
73) Isopropylbenzene	12.467	105	72885	10.048	ug/l	97
74) N-amyl acetate	12.273	43	15055	10.462	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.714	83	13758	10.461	ug/l	94
76) 1,2,3-Trichloropropane	12.761	75	10588m	11.604	ug/l	
77) Bromobenzene	12.743	156	16982	9.939	ug/l	92
78) n-propylbenzene	12.808	91	90123	10.095	ug/l	99
79) 2-Chlorotoluene	12.890	91	52293	10.413	ug/l	97
80) 1,3,5-Trimethylbenzene	12.943	105	61690	10.001	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	3863	9.926	ug/l #	92
82) 4-Chlorotoluene	12.984	91	55177	10.313	ug/l	99
83) tert-Butylbenzene	13.208	119	53135	10.040	ug/l	97
84) 1,2,4-Trimethylbenzene	13.249	105	63576	10.298	ug/l	100
85) sec-Butylbenzene	13.384	105	82028	10.136	ug/l	98
86) p-Isopropyltoluene	13.496	119	66949	9.755	ug/l	99
87) 1,3-Dichlorobenzene	13.496	146	36572	10.223	ug/l	99
88) 1,4-Dichlorobenzene	13.578	146	37316	10.388	ug/l	95
89) n-Butylbenzene	13.825	91	62881	9.980	ug/l	99
90) Hexachloroethane	14.090	117	13976	10.489	ug/l	99
91) 1,2-Dichlorobenzene	13.867	146	31123	10.096	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	2188	10.150	ug/l	84
93) 1,2,4-Trichlorobenzene	15.137	180	17955	9.773	ug/l	98
94) Hexachlorobutadiene	15.243	225	10977	10.835	ug/l	95
95) Naphthalene	15.372	128	30836	9.166	ug/l	96
96) 1,2,3-Trichlorobenzene	15.567	180	17317	10.451	ug/l	90

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

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