

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101122\
 Data File : VD074518.D
 Acq On : 11 Oct 2022 14:50
 Operator : VA/SY
 Sample : VSTDICC010
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/12/2022
 Supervised By :Mahesh Dadoda 10/13/2022

Quant Time: Oct 12 00:44:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101122S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 12 00:39:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	93285	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	163356	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	146092	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	67358	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	8615	10.729	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	21.460%#		
35) Dibromofluoromethane	7.799	113	13987	13.081	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	26.160%#		
50) Toluene-d8	10.269	98	33096	9.217	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	18.440%#		
62) 4-Bromofluorobenzene	12.569	95	19891	14.947	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	29.900%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	8286	9.187	ug/l	91
3) Chloromethane	2.146	50	11760	10.477	ug/l	95
4) Vinyl Chloride	2.281	62	11339	9.765	ug/l	95
5) Bromomethane	2.687	94	9147	11.104	ug/l	97
6) Chloroethane	2.834	64	7900	10.197	ug/l	99
7) Trichlorofluoromethane	3.170	101	18094	10.183	ug/l	90
8) Diethyl Ether	3.587	74	5175	9.702	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.964	101	12096	10.128	ug/l	97
10) Methyl Iodide	4.158	142	10631	7.764	ug/l	99
11) Tert butyl alcohol	5.011	59	11086	69.678	ug/l #	84
12) 1,1-Dichloroethene	3.934	96	12526	10.296	ug/l	96
13) Acrolein	3.793	56	2255	54.956	ug/l	100
14) Allyl chloride	4.564	41	13279	10.027	ug/l	98
15) Acrylonitrile	5.264	53	10199	48.032	ug/l	95
16) Acetone	4.022	43	7792	44.987	ug/l	100
17) Carbon Disulfide	4.270	76	36271	10.084	ug/l #	93
18) Methyl Acetate	4.570	43	5402	9.801	ug/l	91
19) Methyl tert-butyl Ether	5.317	73	22333	9.647	ug/l	98
20) Methylene Chloride	4.799	84	24248	13.437	ug/l	94
21) trans-1,2-Dichloroethene	5.317	96	13268	10.126	ug/l #	84
22) Diisopropyl ether	6.222	45	27294	10.308	ug/l #	97
23) Vinyl Acetate	6.158	43	51369m	47.450	ug/l	
24) 1,1-Dichloroethane	6.111	63	21063	10.276	ug/l	99
25) 2-Butanone	7.075	43	12085	50.545	ug/l	96
26) 2,2-Dichloropropane	7.075	77	19054	10.560	ug/l	95
27) cis-1,2-Dichloroethene	7.087	96	14565	10.436	ug/l	96
28) Bromochloromethane	7.434	49	5875	10.855	ug/l #	96
29) Tetrahydrofuran	7.446	42	6605	50.093	ug/l	95
30) Chloroform	7.599	83	20150	10.146	ug/l	99
31) Cyclohexane	7.875	56	18435	10.791	ug/l	96
32) 1,1,1-Trichloroethane	7.793	97	18631	10.360	ug/l	97
36) 1,1-Dichloropropene	8.005	75	16673	10.635	ug/l	96
37) Ethyl Acetate	7.169	43	5595	10.873	ug/l #	89
38) Carbon Tetrachloride	7.993	117	14168	9.774	ug/l	97
39) Methylcyclohexane	9.275	83	19338	9.855	ug/l	96
40) Benzene	8.252	78	46771	10.024	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	2830	9.196	ug/l #	86
42) 1,2-Dichloroethane	8.334	62	11029	10.003	ug/l	97
43) Isopropyl Acetate	8.363	43	9173	9.702	ug/l	97
44) Trichloroethene	9.028	130	13502	10.115	ug/l	98
45) 1,2-Dichloropropane	9.305	63	10657	10.025	ug/l	96
46) Dibromomethane	9.393	93	6122	10.249	ug/l	90
47) Bromodichloromethane	9.587	83	14951	10.126	ug/l #	93
48) Methyl methacrylate	9.381	41	4476	9.783	ug/l	95
49) 1,4-Dioxane	9.387	88	1064	171.466	ug/l #	75
51) 4-Methyl-2-Pentanone	10.157	43	23354	49.932	ug/l	96
52) Toluene	10.334	92	29765	10.093	ug/l	97
53) t-1,3-Dichloropropene	10.552	75	11838	9.196	ug/l	96
54) cis-1,3-Dichloropropene	10.016	75	16070	9.883	ug/l #	91
55) 1,1,2-Trichloroethane	10.728	97	8702	10.868	ug/l	94
56) Ethyl methacrylate	10.599	69	9107	9.867	ug/l	95
57) 1,3-Dichloropropane	10.881	76	13979	10.439	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	5544	31.986	ug/l	98
59) 2-Hexanone	10.922	43	14625	46.711	ug/l	98
60) Dibromochloromethane	11.075	129	9667	10.037	ug/l	97
61) 1,2-Dibromoethane	11.181	107	7889	10.589	ug/l	96
64) Tetrachloroethene	10.804	164	11732	10.724	ug/l	91
65) Chlorobenzene	11.604	112	31651	10.093	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.675	131	10831	10.179	ug/l	98
67) Ethyl Benzene	11.681	91	56848	10.227	ug/l	98
68) m/p-Xylenes	11.793	106	44639	20.140	ug/l	100
69) o-Xylene	12.116	106	21267	10.312	ug/l	93
70) Styrene	12.134	104	35203	10.102	ug/l	97
71) Bromoform	12.299	173	5689	10.496	ug/l #	99
73) Isopropylbenzene	12.416	105	55320	10.209	ug/l	98
74) N-amyl acetate	12.228	43	8172	9.629	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.669	83	8737	10.193	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	6367m	12.346	ug/l	
77) Bromobenzene	12.698	156	12375	10.095	ug/l	97
78) n-propylbenzene	12.757	91	67642	10.318	ug/l	99
79) 2-Chlorotoluene	12.846	91	36702	10.431	ug/l	99
80) 1,3,5-Trimethylbenzene	12.898	105	44873	10.189	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.463	75	1985	8.747	ug/l	93
82) 4-Chlorotoluene	12.946	91	36433	10.316	ug/l	98
83) tert-Butylbenzene	13.163	119	39528	10.250	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	44959	10.305	ug/l	99
85) sec-Butylbenzene	13.340	105	61860	10.528	ug/l	99
86) p-Isopropyltoluene	13.457	119	50547	10.360	ug/l	99
87) 1,3-Dichlorobenzene	13.451	146	25966	10.338	ug/l	99
88) 1,4-Dichlorobenzene	13.534	146	26793	10.749	ug/l	98
89) n-Butylbenzene	13.781	91	46399	10.181	ug/l	98
90) Hexachloroethane	14.051	117	8702	10.102	ug/l	95
91) 1,2-Dichlorobenzene	13.822	146	22256	10.388	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	1001	8.542	ug/l	89
93) 1,2,4-Trichlorobenzene	15.092	180	14171	10.031	ug/l	99
94) Hexachlorobutadiene	15.198	225	7439	10.128	ug/l	96
95) Naphthalene	15.328	128	25865	9.694	ug/l	98
96) 1,2,3-Trichlorobenzene	15.516	180	11886	9.856	ug/l	99

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

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