

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111122\
 Data File : VD074883.D
 Acq On : 11 Nov 2022 11:24
 Operator : VA/SY
 Sample : VSTDICC010
 Misc : 5.00G/5.00ml/MSVOA_D/soil
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/14/2022
 Supervised By :Mahesh Dadoda 11/14/2022

Quant Time: Nov 14 00:28:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 14 00:27:22 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	156816	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	264994	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	212574	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	102505	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	14242	11.685	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	23.380%#		
35) Dibromofluoromethane	7.804	113	16484	10.091	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	20.180%#		
50) Toluene-d8	10.269	98	55410	10.298	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	20.600%#		
62) 4-Bromofluorobenzene	12.575	95	16322	9.879	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	19.760%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	12352	10.544	ug/l	90
3) Chloromethane	2.146	50	20378	11.032	ug/l	95
4) Vinyl Chloride	2.281	62	22644	10.298	ug/l	97
5) Bromomethane	2.687	94	19395	10.785	ug/l	93
6) Chloroethane	2.834	64	16693	10.338	ug/l	99
7) Trichlorofluoromethane	3.175	101	25500	10.178	ug/l	99
8) Diethyl Ether	3.587	74	7028	9.784	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.963	101	15967	9.987	ug/l	98
10) Methyl Iodide	4.157	142	12808	7.787	ug/l	100
11) Tert butyl alcohol	5.046	59	5124	58.055	ug/l	99
12) 1,1-Dichloroethene	3.940	96	15652	10.051	ug/l	98
13) Acrolein	3.799	56	3627	71.598	ug/l	100
14) Allyl chloride	4.569	41	16545	9.932	ug/l	99
15) Acrylonitrile	5.257	53	14291	50.910	ug/l	97
16) Acetone	4.022	43	13578	52.450	ug/l	99
17) Carbon Disulfide	4.269	76	45295	10.224	ug/l	98
18) Methyl Acetate	4.569	43	7813	10.255	ug/l	100
19) Methyl tert-butyl Ether	5.322	73	30704	9.848	ug/l	99
20) Methylene Chloride	4.799	84	46863	13.591	ug/l	95
21) trans-1,2-Dichloroethene	5.310	96	17724	10.036	ug/l	86
22) Diisopropyl ether	6.216	45	35963	9.686	ug/l	93
23) Vinyl Acetate	6.157	43	74057m	49.447	ug/l	
24) 1,1-Dichloroethane	6.116	63	28501	10.279	ug/l	97
25) 2-Butanone	7.081	43	18133	53.565	ug/l #	88
26) 2,2-Dichloropropane	7.069	77	26623	10.217	ug/l	96
27) cis-1,2-Dichloroethene	7.081	96	19624	10.016	ug/l	98
28) Bromochloromethane	7.434	49	9714	10.860	ug/l	92
29) Tetrahydrofuran	7.446	42	9547	50.949	ug/l	94
30) Chloroform	7.598	83	31921	10.512	ug/l	99
31) Cyclohexane	7.875	56	22845	9.993	ug/l #	93
32) 1,1,1-Trichloroethane	7.793	97	25841	9.874	ug/l	98
36) 1,1-Dichloropropene	8.010	75	21755	9.062	ug/l	98
37) Ethyl Acetate	7.169	43	7769	9.644	ug/l #	94
38) Carbon Tetrachloride	7.987	117	20125	8.906	ug/l	99
39) Methylcyclohexane	9.275	83	22069	8.581	ug/l	91
40) Benzene	8.251	78	66047	9.568	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	3564	8.474	ug/l #	90
42) 1,2-Dichloroethane	8.328	62	16564	10.026	ug/l	96
43) Isopropyl Acetate	8.363	43	13819	9.740	ug/l	98
44) Trichloroethene	9.028	130	16770	9.195	ug/l	82
45) 1,2-Dichloropropane	9.304	63	14233	9.176	ug/l	97
46) Dibromomethane	9.393	93	8237	9.482	ug/l	94
47) Bromodichloromethane	9.587	83	19646	9.113	ug/l	92
48) Methyl methacrylate	9.381	41	5788	9.209	ug/l	93
49) 1,4-Dioxane	9.387	88	1703	199.794	ug/l #	93
51) 4-Methyl-2-Pentanone	10.157	43	30628	45.281	ug/l	98
52) Toluene	10.334	92	38304	9.280	ug/l	98
53) t-1,3-Dichloropropene	10.557	75	17175	9.018	ug/l	95
54) cis-1,3-Dichloropropene	10.016	75	20507	8.780	ug/l	98
55) 1,1,2-Trichloroethane	10.734	97	11346	9.394	ug/l #	90
56) Ethyl methacrylate	10.598	69	11213	8.588	ug/l	95
57) 1,3-Dichloropropane	10.881	76	18313	9.431	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	17919	39.831	ug/l	97
59) 2-Hexanone	10.922	43	21388	45.359	ug/l	95
60) Dibromochloromethane	11.075	129	13335	9.307	ug/l	99
61) 1,2-Dibromoethane	11.181	107	10778	9.541	ug/l	97
64) Tetrachloroethene	10.810	164	14526	10.192	ug/l	96
65) Chlorobenzene	11.604	112	42562	10.235	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.681	131	14850	10.192	ug/l	97
67) Ethyl Benzene	11.681	91	69311	9.567	ug/l	98
68) m/p-Xylenes	11.792	106	55401	19.179	ug/l	100
69) o-Xylene	12.122	106	25099	9.444	ug/l	100
70) Styrene	12.134	104	44130	9.687	ug/l	98
71) Bromoform	12.298	173	7581	10.053	ug/l #	99
73) Isopropylbenzene	12.422	105	66224	9.386	ug/l	99
74) N-amyl acetate	12.234	43	11350	9.778	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.675	83	12807	10.262	ug/l	100
76) 1,2,3-Trichloropropane	12.728	75	8351m	10.080	ug/l	
77) Bromobenzene	12.698	156	16436	9.955	ug/l	94
78) n-propylbenzene	12.763	91	83127	9.585	ug/l	97
79) 2-Chlorotoluene	12.851	91	45972	9.838	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	56743	9.652	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	3138	9.004	ug/l	97
82) 4-Chlorotoluene	12.945	91	48535	9.974	ug/l	97
83) tert-Butylbenzene	13.169	119	48091	9.428	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	54977	9.456	ug/l	98
85) sec-Butylbenzene	13.345	105	74898	9.653	ug/l	99
86) p-Isopropyltoluene	13.463	119	60000	9.300	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	33614	9.787	ug/l	99
88) 1,4-Dichlorobenzene	13.539	146	35431	10.394	ug/l	97
89) n-Butylbenzene	13.786	91	56842	9.489	ug/l	97
90) Hexachloroethane	14.051	117	11411	9.875	ug/l	91
91) 1,2-Dichlorobenzene	13.833	146	29779	10.196	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.451	75	1562	9.078	ug/l	95
93) 1,2,4-Trichlorobenzene	15.098	180	17251	9.704	ug/l	98
94) Hexachlorobutadiene	15.204	225	8635	9.416	ug/l	99
95) Naphthalene	15.333	128	31228	9.464	ug/l	100
96) 1,2,3-Trichlorobenzene	15.522	180	14946	9.722	ug/l	96

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

