

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110722\
 Data File : VD074751.D
 Acq On : 07 Nov 2022 09:53
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa
 Patel

11/08/2022
 Supervised By :Mahesh
 Dadoda

Quant Time: Nov 07 11:44:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110222S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 03 02:30:45 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	154862	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	254776	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	233081	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	112649	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	61858	50.433	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.860%	
35) Dibromofluoromethane	7.805	113	75861	50.336	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.680%	
50) Toluene-d8	10.269	98	285439	51.922	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.840%	
62) 4-Bromofluorobenzene	12.575	95	89286	56.250	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 112.500%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	53234	41.855	ug/l	93
3) Chloromethane	2.146	50	92168	45.410	ug/l	98
4) Vinyl Chloride	2.281	62	104778	47.074	ug/l	99
5) Bromomethane	2.687	94	76230	45.201	ug/l	98
6) Chloroethane	2.828	64	75064	48.656	ug/l	98
7) Trichlorofluoromethane	3.175	101	121917	47.147	ug/l	96
8) Diethyl Ether	3.593	74	36719	48.608	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.958	101	77918	47.435	ug/l	99
10) Methyl Iodide	4.158	142	84077	40.634	ug/l	99
11) Tert butyl alcohol	5.058	59	22969	151.198	ug/l #	96
12) 1,1-Dichloroethene	3.934	96	78956	47.326	ug/l	97
13) Acrolein	3.793	56	21196	251.091	ug/l	97
14) Allyl chloride	4.558	41	89962	50.964	ug/l	98
15) Acrylonitrile	5.252	53	75191	251.888	ug/l	98
16) Acetone	4.022	43	75179	293.718	ug/l	98
17) Carbon Disulfide	4.264	76	234460	46.604	ug/l	99
18) Methyl Acetate	4.558	43	35219	45.502	ug/l	98
19) Methyl tert-butyl Ether	5.316	73	164132	51.729	ug/l	100
20) Methylene Chloride	4.793	84	99079	44.127	ug/l	94
21) trans-1,2-Dichloroethene	5.305	96	89538	48.831	ug/l	91
22) Diisopropyl ether	6.216	45	194643	53.425	ug/l	98
23) Vinyl Acetate	6.152	43	463103	298.966	ug/l	99
24) 1,1-Dichloroethane	6.105	63	137372	49.297	ug/l	97
25) 2-Butanone	7.081	43	92343	262.390	ug/l	100
26) 2,2-Dichloropropane	7.075	77	125768	49.049	ug/l	100
27) cis-1,2-Dichloroethene	7.075	96	98738	48.816	ug/l	100
28) Bromochloromethane	7.422	49	46941	53.379	ug/l	94
29) Tetrahydrofuran	7.446	42	52538	260.304	ug/l	96
30) Chloroform	7.593	83	148253	49.800	ug/l	98
31) Cyclohexane	7.875	56	114733	46.202	ug/l	98
32) 1,1,1-Trichloroethane	7.793	97	128627	48.910	ug/l	98
36) 1,1-Dichloropropene	8.005	75	112840	49.326	ug/l	99
37) Ethyl Acetate	7.163	43	38664	50.666	ug/l	97
38) Carbon Tetrachloride	7.987	117	106613	49.191	ug/l	98
39) Methylcyclohexane	9.275	83	139316	50.055	ug/l	96
40) Benzene	8.246	78	338003	49.989	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	19150	43.208	ug/l	96
42) 1,2-Dichloroethane	8.322	62	79976	51.450	ug/l	100
43) Isopropyl Acetate	8.357	43	71958	50.677	ug/l	98
44) Trichloroethene	9.028	130	95324	49.483	ug/l	99
45) 1,2-Dichloropropane	9.305	63	78251	52.327	ug/l	91
46) Dibromomethane	9.393	93	46539	53.703	ug/l	93
47) Bromodichloromethane	9.587	83	111025	53.214	ug/l	96
48) Methyl methacrylate	9.381	41	33824	53.455	ug/l	93
49) 1,4-Dioxane	9.381	88	9315	1065.853	ug/l	92
51) 4-Methyl-2-Pentanone	10.157	43	188388	273.588	ug/l	99
52) Toluene	10.334	92	221911	53.603	ug/l	100
53) t-1,3-Dichloropropene	10.552	75	103827	56.267	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	124906	53.944	ug/l	96
55) 1,1,2-Trichloroethane	10.734	97	65621	55.738	ug/l	96
56) Ethyl methacrylate	10.599	69	73639	55.944	ug/l	97
57) 1,3-Dichloropropane	10.881	76	101146	53.328	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	110138	314.718	ug/l	98
59) 2-Hexanone	10.922	43	137726	290.764	ug/l	99
60) Dibromochloromethane	11.075	129	77204	54.930	ug/l	100
61) 1,2-Dibromoethane	11.181	107	60686	54.698	ug/l	99
64) Tetrachloroethene	10.810	164	80742	49.037	ug/l	93
65) Chlorobenzene	11.610	112	234066	50.709	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	82384	52.605	ug/l	98
67) Ethyl Benzene	11.687	91	420882	51.454	ug/l	99
68) m/p-Xylenes	11.793	106	337764	104.009	ug/l	97
69) o-Xylene	12.122	106	154243	51.664	ug/l	97
70) Styrene	12.134	104	268247	53.034	ug/l	98
71) Bromoform	12.298	173	44846	53.472	ug/l #	98
73) Isopropylbenzene	12.422	105	406362	49.375	ug/l	100
74) N-amyl acetate	12.234	43	67518	50.507	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.669	83	69323	50.127	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	46476m	53.221	ug/l	
77) Bromobenzene	12.698	156	94737	49.992	ug/l	97
78) n-propylbenzene	12.763	91	488516	49.548	ug/l	100
79) 2-Chlorotoluene	12.845	91	262458	49.437	ug/l	98
80) 1,3,5-Trimethylbenzene	12.904	105	336407	50.100	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	19970	54.284	ug/l	93
82) 4-Chlorotoluene	12.945	91	274712	49.750	ug/l	99
83) tert-Butylbenzene	13.169	119	291146	49.202	ug/l	100
84) 1,2,4-Trimethylbenzene	13.210	105	334648	50.509	ug/l	100
85) sec-Butylbenzene	13.345	105	447447	50.120	ug/l	100
86) p-Isopropyltoluene	13.457	119	374405	49.797	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	196163	49.923	ug/l	99
88) 1,4-Dichlorobenzene	13.540	146	189375	49.025	ug/l	99
89) n-Butylbenzene	13.787	91	345996	50.317	ug/l	99
90) Hexachloroethane	14.051	117	64649	50.153	ug/l	97
91) 1,2-Dichlorobenzene	13.828	146	166324	49.696	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	9410	49.224	ug/l	93
93) 1,2,4-Trichlorobenzene	15.098	180	106794	51.680	ug/l	99
94) Hexachlorobutadiene	15.204	225	56809	52.551	ug/l	97
95) Naphthalene	15.334	128	201429	50.749	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	91016	50.055	ug/l	96

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

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