

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111822\
 Data File : VD074984.D
 Acq On : 18 Nov 2022 12:10
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 18 22:04:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 14 00:51:58 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 11/21/2022
 Supervised By :Mahesh Dadoda 11/21/2022

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	178814	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	255517	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	218259	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	102535	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	64576	54.935	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.860%			
35) Dibromofluoromethane	7.805	113	82139	52.149	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.300%			
50) Toluene-d8	10.269	98	253006	48.764	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 97.520%			
62) 4-Bromofluorobenzene	12.575	95	82181	51.583	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.160%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	53487	44.471	ug/l	98
3) Chloromethane	2.146	50	84599	44.746	ug/l	92
4) Vinyl Chloride	2.287	62	110184	43.945	ug/l	98
5) Bromomethane	2.693	94	91531	48.584	ug/l	99
6) Chloroethane	2.840	64	80512	43.727	ug/l	99
7) Trichlorofluoromethane	3.181	101	132946	46.537	ug/l	97
8) Diethyl Ether	3.593	74	39124	47.766	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.964	101	86606	47.506	ug/l	98
10) Methyl Iodide	4.170	142	101291	47.033	ug/l	99
11) Tert butyl alcohol	5.046	59	19182	220.441	ug/l #	97
12) 1,1-Dichloroethene	3.946	96	85046	47.892	ug/l	88
13) Acrolein	3.799	56	13541	274.870	ug/l	98
14) Allyl chloride	4.570	41	93776	49.370	ug/l	98
15) Acrylonitrile	5.258	53	77848	243.210	ug/l	99
16) Acetone	4.023	43	79043	267.769	ug/l	92
17) Carbon Disulfide	4.275	76	219953	43.541	ug/l	98
18) Methyl Acetate	4.570	43	35499	45.902	ug/l	100
19) Methyl tert-butyl Ether	5.322	73	171760	48.312	ug/l	99
20) Methylene Chloride	4.805	84	122157	48.289	ug/l	90
21) trans-1,2-Dichloroethene	5.317	96	95565	47.457	ug/l	90
22) Diisopropyl ether	6.216	45	208952	49.355	ug/l	94
23) Vinyl Acetate	6.158	43	495644	272.771	ug/l	97
24) 1,1-Dichloroethane	6.117	63	151305	47.857	ug/l	99
25) 2-Butanone	7.081	43	96128	249.027	ug/l	97
26) 2,2-Dichloropropane	7.075	77	140661	47.342	ug/l	100
27) cis-1,2-Dichloroethene	7.081	96	107676	48.198	ug/l	100
28) Bromochloromethane	7.422	49	48794	47.837	ug/l	96
29) Tetrahydrofuran	7.452	42	52146	244.051	ug/l	97
30) Chloroform	7.599	83	166059	47.960	ug/l	98
31) Cyclohexane	7.881	56	117696	45.148	ug/l	98
32) 1,1,1-Trichloroethane	7.793	97	145034	48.603	ug/l	98
36) 1,1-Dichloropropene	8.011	75	120734	52.156	ug/l	100
37) Ethyl Acetate	7.169	43	39148	50.399	ug/l	96
38) Carbon Tetrachloride	7.993	117	117485	53.917	ug/l	94
39) Methylcyclohexane	9.275	83	120977	48.783	ug/l	98
40) Benzene	8.252	78	361386	54.292	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	18217	44.218	ug/l #	80
42) 1,2-Dichloroethane	8.328	62	84461	53.021	ug/l	100
43) Isopropyl Acetate	8.358	43	72155	52.741	ug/l	98
44) Trichloroethene	9.028	130	86970	49.456	ug/l	97
45) 1,2-Dichloropropane	9.305	63	74418	49.758	ug/l	96
46) Dibromomethane	9.393	93	40331	48.151	ug/l	94
47) Bromodichloromethane	9.587	83	102201	49.165	ug/l	96
48) Methyl methacrylate	9.381	41	30253	49.919	ug/l	94
49) 1,4-Dioxane	9.387	88	7804	949.512	ug/l	92
51) 4-Methyl-2-Pentanone	10.157	43	167017	256.078	ug/l	98
52) Toluene	10.334	92	203920	51.238	ug/l	98
53) t-1,3-Dichloropropene	10.557	75	94741	51.593	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	115481	51.279	ug/l	97
55) 1,1,2-Trichloroethane	10.734	97	59208	50.837	ug/l	96
56) Ethyl methacrylate	10.599	69	65481	46.713	ug/l	97
57) 1,3-Dichloropropane	10.881	76	94275	50.350	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	128697	260.355	ug/l	98
59) 2-Hexanone	10.922	43	122392	269.190	ug/l	98
60) Dibromochloromethane	11.075	129	68669	49.702	ug/l	100
61) 1,2-Dibromoethane	11.181	107	54702	50.221	ug/l	100
64) Tetrachloroethene	10.810	164	70214	47.981	ug/l	96
65) Chlorobenzene	11.610	112	213147	49.921	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	75616	50.546	ug/l	96
67) Ethyl Benzene	11.687	91	390612	52.511	ug/l	97
68) m/p-Xylenes	11.799	106	309199	104.253	ug/l	98
69) o-Xylene	12.122	106	142158	52.098	ug/l	99
70) Styrene	12.140	104	247248	52.860	ug/l	99
71) Bromoform	12.304	173	39451	50.955	ug/l #	98
73) Isopropylbenzene	12.422	105	381723	54.088	ug/l	100
74) N-amyl acetate	12.234	43	59752	51.459	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.675	83	63821	51.124	ug/l	99
76) 1,2,3-Trichloropropane	12.728	75	36871m	42.993	ug/l	
77) Bromobenzene	12.704	156	85078	51.514	ug/l	95
78) n-propylbenzene	12.763	91	463353	53.412	ug/l	99
79) 2-Chlorotoluene	12.851	91	248262	53.112	ug/l	100
80) 1,3,5-Trimethylbenzene	12.904	105	313729	53.351	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	18165	52.106	ug/l	96
82) 4-Chlorotoluene	12.951	91	256866	52.770	ug/l	98
83) tert-Butylbenzene	13.169	119	269612	52.840	ug/l	98
84) 1,2,4-Trimethylbenzene	13.216	105	309709	53.252	ug/l	100
85) sec-Butylbenzene	13.346	105	420959	54.238	ug/l	100
86) p-Isopropyltoluene	13.463	119	348808	54.048	ug/l	99
87) 1,3-Dichlorobenzene	13.463	146	173374	50.465	ug/l	99
88) 1,4-Dichlorobenzene	13.540	146	171146	50.193	ug/l	99
89) n-Butylbenzene	13.793	91	325657	54.351	ug/l	99
90) Hexachloroethane	14.057	117	62149	53.768	ug/l	93
91) 1,2-Dichlorobenzene	13.834	146	148141	50.707	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.451	75	7916	45.993	ug/l	95
93) 1,2,4-Trichlorobenzene	15.104	180	91173	51.269	ug/l	99
94) Hexachlorobutadiene	15.210	225	48653	53.039	ug/l	98
95) Naphthalene	15.334	128	169746	51.427	ug/l	99
96) 1,2,3-Trichlorobenzene	15.528	180	78528	51.063	ug/l	99

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

