

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012023\
 Data File : VD075166.D
 Acq On : 20 Jan 2023 21:08
 Operator : KP/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 01/23/2023
 Supervised By :Mahesh Dadoda 01/25/2023

Quant Time: Jan 23 00:35:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 19 01:32:27 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	81474	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	150254	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	132829	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	60435	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	47411	57.027	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.060%			
35) Dibromofluoromethane	7.811	113	47353	52.154	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.300%			
50) Toluene-d8	10.269	98	185993	52.028	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.060%			
62) 4-Bromofluorobenzene	12.575	95	60157	53.022	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 106.040%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	31397	49.452	ug/l	98
3) Chloromethane	2.146	50	48337	45.928	ug/l	98
4) Vinyl Chloride	2.281	62	47780	42.309	ug/l	99
5) Bromomethane	2.693	94	33168	43.186	ug/l	99
6) Chloroethane	2.840	64	35308	45.091	ug/l	94
7) Trichlorofluoromethane	3.181	101	72271	50.347	ug/l	99
8) Diethyl Ether	3.593	74	24052	52.003	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.964	101	44854	50.617	ug/l	99
10) Methyl Iodide	4.164	142	59861	50.182	ug/l	98
11) Tert butyl alcohol	5.064	59	12309	212.226	ug/l #	88
12) 1,1-Dichloroethene	3.946	96	47006	50.387	ug/l	98
13) Acrolein	3.793	56	9988	203.526	ug/l	93
14) Allyl chloride	4.564	41	81057	53.538	ug/l	98
15) Acrylonitrile	5.258	53	54653	279.456	ug/l	98
16) Acetone	4.022	43	51998	237.139	ug/l	97
17) Carbon Disulfide	4.275	76	152021	50.241	ug/l	100
18) Methyl Acetate	4.569	43	32594	54.686	ug/l	98
19) Methyl tert-butyl Ether	5.317	73	106331	54.563	ug/l	98
20) Methylene Chloride	4.805	84	63026	56.147	ug/l	97
21) trans-1,2-Dichloroethene	5.317	96	54591	52.565	ug/l	97
22) Diisopropyl ether	6.216	45	156450	55.520	ug/l	99
23) Vinyl Acetate	6.158	43	308889m	248.710	ug/l	
24) 1,1-Dichloroethane	6.116	63	95608	53.989	ug/l	99
25) 2-Butanone	7.087	43	68509	258.509	ug/l	94
26) 2,2-Dichloropropane	7.081	77	75933	48.101	ug/l	100
27) cis-1,2-Dichloroethene	7.081	96	61246	54.101	ug/l	99
28) Bromochloromethane	7.428	49	24801	51.295	ug/l	95
29) Tetrahydrofuran	7.440	42	41136	272.145	ug/l	98
30) Chloroform	7.599	83	95526	54.094	ug/l	89
31) Cyclohexane	7.875	56	84753	50.830	ug/l	94
32) 1,1,1-Trichloroethane	7.793	97	81122	53.320	ug/l	100
36) 1,1-Dichloropropene	8.011	75	73348	50.280	ug/l	99
37) Ethyl Acetate	7.175	43	30283	51.527	ug/l	97
38) Carbon Tetrachloride	7.993	117	60683	49.406	ug/l	99
39) Methylcyclohexane	9.275	83	88746	49.366	ug/l	99
40) Benzene	8.252	78	214474	51.554	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	16664m	47.122	ug/l	
42) 1,2-Dichloroethane	8.328	62	57213	52.356	ug/l	98
43) Isopropyl Acetate	8.363	43	58430	51.089	ug/l	100
44) Trichloroethene	9.028	130	57322	48.999	ug/l	97
45) 1,2-Dichloropropane	9.310	63	53796	52.496	ug/l	100
46) Dibromomethane	9.399	93	27755	51.356	ug/l	96
47) Bromodichloromethane	9.587	83	69935	52.159	ug/l	97
48) Methyl methacrylate	9.381	41	29719	53.139	ug/l	96
49) 1,4-Dioxane	9.387	88	5153	998.743	ug/l	94
51) 4-Methyl-2-Pentanone	10.163	43	144844	263.732	ug/l	98
52) Toluene	10.334	92	135188	51.422	ug/l	100
53) t-1,3-Dichloropropene	10.557	75	64391	50.761	ug/l	98
54) cis-1,3-Dichloropropene	10.022	75	79798	51.490	ug/l	96
55) 1,1,2-Trichloroethane	10.734	97	37560	52.515	ug/l	97
56) Ethyl methacrylate	10.599	69	46253	53.775	ug/l	99
57) 1,3-Dichloropropane	10.881	76	64460	52.449	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	74245	252.260	ug/l	99
59) 2-Hexanone	10.922	43	97937	246.624	ug/l	99
60) Dibromochloromethane	11.075	129	44401	51.505	ug/l	100
61) 1,2-Dibromoethane	11.181	107	35729	52.284	ug/l	100
64) Tetrachloroethene	10.810	164	46984	49.533	ug/l	98
65) Chlorobenzene	11.610	112	139278	51.171	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	46791	51.110	ug/l	97
67) Ethyl Benzene	11.687	91	250188	51.065	ug/l	99
68) m/p-Xylenes	11.799	106	195025	103.044	ug/l	99
69) o-Xylene	12.122	106	90785	51.137	ug/l	97
70) Styrene	12.140	104	153626	52.054	ug/l	100
71) Bromoform	12.304	173	24703	52.256	ug/l #	96
73) Isopropylbenzene	12.422	105	240288	50.336	ug/l	99
74) N-amyl acetate	12.240	43	50469	48.263	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.675	83	39121	51.435	ug/l	99
76) 1,2,3-Trichloropropane	12.728	75	29722m	58.069	ug/l	
77) Bromobenzene	12.704	156	52897	48.513	ug/l	95
78) n-propylbenzene	12.763	91	294112	50.138	ug/l	99
79) 2-Chlorotoluene	12.851	91	161814	50.155	ug/l	100
80) 1,3,5-Trimethylbenzene	12.904	105	198180	50.671	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.469	75	10514	47.648	ug/l	96
82) 4-Chlorotoluene	12.951	91	162990	49.136	ug/l	99
83) tert-Butylbenzene	13.169	119	165959	49.041	ug/l	98
84) 1,2,4-Trimethylbenzene	13.216	105	194904	50.743	ug/l	100
85) sec-Butylbenzene	13.346	105	256745	49.943	ug/l	99
86) p-Isopropyltoluene	13.463	119	207970	49.414	ug/l	99
87) 1,3-Dichlorobenzene	13.463	146	102858	48.665	ug/l	97
88) 1,4-Dichlorobenzene	13.540	146	102904	49.484	ug/l	99
89) n-Butylbenzene	13.793	91	203862	49.708	ug/l	100
90) Hexachloroethane	14.057	117	34396	46.280	ug/l	98
91) 1,2-Dichlorobenzene	13.834	146	90514	50.055	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.451	75	5836	50.184	ug/l	98
93) 1,2,4-Trichlorobenzene	15.104	180	55419	46.672	ug/l	97
94) Hexachlorobutadiene	15.210	225	27235	46.800	ug/l	98
95) Naphthalene	15.334	128	121519	51.407	ug/l	100
96) 1,2,3-Trichlorobenzene	15.528	180	46798	46.188	ug/l	97

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

