

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041223\
 Data File : VD075633.D
 Acq On : 12 Apr 2023 10:13
 Operator : KP/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 04/13/2023
 Supervised By :Mahesh Dadoda 04/13/2023

Quant Time: Apr 13 07:22:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041023S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 12 10:29:09 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	200060	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	335844	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.586	117	322654	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.521	152	168390	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.233	65	87199	53.131	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.260%			
35) Dibromofluoromethane	7.804	113	107106	54.417	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.840%			
50) Toluene-d8	10.269	98	419862	54.385	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.780%			
62) 4-Bromofluorobenzene	12.574	95	137348	60.473	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 120.940%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	64873	45.899	ug/l	96
3) Chloromethane	2.146	50	115828	47.126	ug/l	98
4) Vinyl Chloride	2.281	62	170101	49.435	ug/l	99
5) Bromomethane	2.693	94	132902	48.504	ug/l	96
6) Chloroethane	2.834	64	122405	50.712	ug/l	94
7) Trichlorofluoromethane	3.175	101	144753	49.315	ug/l	99
8) Diethyl Ether	3.593	74	45362	50.036	ug/l	68
9) 1,1,2-Trichlorotrifluo...	3.969	101	97522	50.475	ug/l	93
10) Methyl Iodide	4.163	142	120078	51.979	ug/l	92
11) Tert butyl alcohol	5.063	59	23218	299.239	ug/l #	100
12) 1,1-Dichloroethene	3.940	96	92178	49.705	ug/l	90
13) Acrolein	3.793	56	29186	270.670	ug/l	98
14) Allyl chloride	4.563	41	82608	49.357	ug/l #	81
15) Acrylonitrile	5.257	53	93492	269.111	ug/l	99
16) Acetone	4.022	43	84776	283.491	ug/l #	80
17) Carbon Disulfide	4.269	76	223992	46.666	ug/l	97
18) Methyl Acetate	4.563	43	48491	53.729	ug/l #	70
19) Methyl tert-butyl Ether	5.316	73	207661	52.982	ug/l	95
20) Methylene Chloride	4.798	84	121449	47.610	ug/l #	73
21) trans-1,2-Dichloroethene	5.310	96	110806	50.620	ug/l #	77
22) Diisopropyl ether	6.216	45	224511	54.684	ug/l #	90
23) Vinyl Acetate	6.157	43	542070m	272.216	ug/l	
24) 1,1-Dichloroethane	6.116	63	175942	51.894	ug/l	98
25) 2-Butanone	7.081	43	108479	279.520	ug/l #	69
26) 2,2-Dichloropropane	7.075	77	156115	50.194	ug/l	91
27) cis-1,2-Dichloroethene	7.081	96	134077	52.021	ug/l	80
28) Bromochloromethane	7.428	49	60856	52.534	ug/l #	47
29) Tetrahydrofuran	7.445	42	58440	284.359	ug/l #	53
30) Chloroform	7.598	83	204415	52.999	ug/l	95
31) Cyclohexane	7.875	56	108565	45.468	ug/l #	80
32) 1,1,1-Trichloroethane	7.792	97	168519	52.501	ug/l	95
36) 1,1-Dichloropropene	8.004	75	138979	55.289	ug/l	93
37) Ethyl Acetate	7.163	43	43675	57.790	ug/l #	80
38) Carbon Tetrachloride	7.992	117	131818	54.683	ug/l	97
39) Methylcyclohexane	9.275	83	149802	50.048	ug/l	90
40) Benzene	8.251	78	454181	56.073	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	19311	45.397	ug/l #	44
42) 1,2-Dichloroethane	8.322	62	108286	57.539	ug/l	90
43) Isopropyl Acetate	8.357	43	84034	58.248	ug/l #	80
44) Trichloroethene	9.028	130	123314	51.977	ug/l	96
45) 1,2-Dichloropropane	9.304	63	104238	55.167	ug/l	92
46) Dibromomethane	9.392	93	67610	57.630	ug/l	98
47) Bromodichloromethane	9.586	83	158041	55.706	ug/l	96
48) Methyl methacrylate	9.380	41	36873	56.397	ug/l #	56
49) 1,4-Dioxane	9.380	88	12858	1209.058	ug/l #	73
51) 4-Methyl-2-Pentanone	10.157	43	226569	291.733	ug/l #	76
52) Toluene	10.333	92	303370	55.455	ug/l	97
53) t-1,3-Dichloropropene	10.557	75	142106	55.260	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	169750	54.289	ug/l #	77
55) 1,1,2-Trichloroethane	10.733	97	95683	55.307	ug/l	91
56) Ethyl methacrylate	10.598	69	95242	57.115	ug/l #	66
57) 1,3-Dichloropropane	10.880	76	147244	56.524	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	225491	279.684	ug/l #	88
59) 2-Hexanone	10.922	43	162407	296.834	ug/l	70
60) Dibromochloromethane	11.075	129	112847	54.632	ug/l	96
61) 1,2-Dibromoethane	11.180	107	89623	54.202	ug/l	97
64) Tetrachloroethene	10.810	164	100155	51.609	ug/l	95
65) Chlorobenzene	11.610	112	331514	52.932	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.686	131	119568	53.985	ug/l	95
67) Ethyl Benzene	11.686	91	562634	54.447	ug/l	97
68) m/p-Xylenes	11.792	106	470172	110.468	ug/l	92
69) o-Xylene	12.122	106	214291	55.927	ug/l	93
70) Styrene	12.139	104	387577	58.982	ug/l	93
71) Bromoform	12.304	173	66303	57.918	ug/l #	98
73) Isopropylbenzene	12.422	105	549007	52.540	ug/l	98
74) N-amyl acetate	12.233	43	77097	52.606	ug/l #	73
75) 1,1,2,2-Tetrachloroethane	12.674	83	105918	54.191	ug/l	98
76) 1,2,3-Trichloropropane	12.727	75	63850m	58.324	ug/l	
77) Bromobenzene	12.704	156	135437	51.349	ug/l	90
78) n-propylbenzene	12.763	91	672980	53.565	ug/l	97
79) 2-Chlorotoluene	12.851	91	368492	53.030	ug/l	94
80) 1,3,5-Trimethylbenzene	12.904	105	459343	53.675	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.469	75	30482	53.012	ug/l #	73
82) 4-Chlorotoluene	12.951	91	383135	53.152	ug/l	92
83) tert-Butylbenzene	13.169	119	385054	51.820	ug/l	94
84) 1,2,4-Trimethylbenzene	13.216	105	462096	53.470	ug/l	94
85) sec-Butylbenzene	13.345	105	611232	53.828	ug/l	98
86) p-Isopropyltoluene	13.463	119	512286	53.669	ug/l	94
87) 1,3-Dichlorobenzene	13.463	146	284208	51.602	ug/l	97
88) 1,4-Dichlorobenzene	13.539	146	280441	51.484	ug/l	97
89) n-Butylbenzene	13.792	91	458791	52.865	ug/l	99
90) Hexachloroethane	14.057	117	96736	53.576	ug/l	97
91) 1,2-Dichlorobenzene	13.833	146	243945	51.383	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	13339	54.557	ug/l	80
93) 1,2,4-Trichlorobenzene	15.104	180	131931	52.395	ug/l	97
94) Hexachlorobutadiene	15.204	225	61394	51.474	ug/l	96
95) Naphthalene	15.333	128	257649	53.889	ug/l	99
96) 1,2,3-Trichlorobenzene	15.527	180	116376	52.164	ug/l	99

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

