

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051523\
 Data File : VD076113.D
 Acq On : 15 May 2023 13:20
 Operator : KP/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/29/2023
 Supervised By :Mahesh Dadoda 05/29/2023

Quant Time: May 16 10:04:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 09:59:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	256575	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	410721	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	373676	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	186230	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	114624	46.224	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.440%		
35) Dibromofluoromethane	7.804	113	135606	47.766	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.540%		
50) Toluene-d8	10.269	98	537368	48.556	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.120%		
62) 4-Bromofluorobenzene	12.575	95	144615	47.040	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	94.080%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	100966	43.632	ug/l	98
3) Chloromethane	2.146	50	191358	50.387	ug/l	96
4) Vinyl Chloride	2.281	62	224912	45.068	ug/l	100
5) Bromomethane	2.687	94	156569	46.600	ug/l	97
6) Chloroethane	2.834	64	154374	45.979	ug/l	97
7) Trichlorofluoromethane	3.169	101	183091	43.284	ug/l	96
8) Diethyl Ether	3.593	74	69324	49.835	ug/l	73
9) 1,1,2-Trichlorotrifluo...	3.963	101	120365	43.199	ug/l	96
10) Methyl Iodide	4.158	142	153985	53.152	ug/l #	89
11) Tert butyl alcohol	5.058	59	31973	243.746	ug/l #	100
12) 1,1-Dichloroethene	3.934	96	127389	45.938	ug/l	92
13) Acrolein	3.793	56	81824	254.874	ug/l	99
14) Allyl chloride	4.563	41	138937	49.368	ug/l #	79
15) Acrylonitrile	5.252	53	145416	252.472	ug/l	97
16) Acetone	4.022	43	126927	257.263	ug/l #	78
17) Carbon Disulfide	4.269	76	370746	49.360	ug/l	98
18) Methyl Acetate	4.563	43	88130	50.075	ug/l #	77
19) Methyl tert-butyl Ether	5.316	73	280147	51.615	ug/l	99
20) Methylene Chloride	4.793	84	197524	50.824	ug/l #	79
21) trans-1,2-Dichloroethene	5.310	96	156329	48.914	ug/l #	77
22) Diisopropyl ether	6.216	45	344795	52.782	ug/l #	91
23) Vinyl Acetate	6.152	43	678530m	262.838	ug/l	
24) 1,1-Dichloroethane	6.110	63	247066	47.957	ug/l	98
25) 2-Butanone	7.081	43	159509	257.127	ug/l #	78
26) 2,2-Dichloropropane	7.075	77	196991	46.893	ug/l	91
27) cis-1,2-Dichloroethene	7.075	96	179960	50.742	ug/l	83
28) Bromochloromethane	7.422	49	82642	48.109	ug/l #	60
29) Tetrahydrofuran	7.446	42	95342	263.683	ug/l #	67
30) Chloroform	7.593	83	262956	47.729	ug/l	94
31) Cyclohexane	7.875	56	169492	44.629	ug/l #	82
32) 1,1,1-Trichloroethane	7.793	97	204233	46.516	ug/l	97
36) 1,1-Dichloropropene	8.004	75	183882	47.958	ug/l	94
37) Ethyl Acetate	7.163	43	69938	52.676	ug/l #	83
38) Carbon Tetrachloride	7.987	117	160880	46.453	ug/l	96
39) Methylcyclohexane	9.275	83	202856	45.954	ug/l	95
40) Benzene	8.246	78	606142	49.172	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	41274	56.694	ug/l #	79
42) 1,2-Dichloroethane	8.322	62	142639	48.921	ug/l	92
43) Isopropyl Acetate	8.357	43	122632	49.445	ug/l #	80
44) Trichloroethene	9.028	130	166144	47.825	ug/l	89
45) 1,2-Dichloropropane	9.304	63	149242	49.083	ug/l	95
46) Dibromomethane	9.393	93	82840	48.606	ug/l	90
47) Bromodichloromethane	9.587	83	201563	49.209	ug/l	95
48) Methyl methacrylate	9.381	41	56713	51.665	ug/l #	61
49) 1,4-Dioxane	9.387	88	18484	1014.192	ug/l #	79
51) 4-Methyl-2-Pentanone	10.157	43	344085	260.852	ug/l #	82
52) Toluene	10.334	92	384142	49.895	ug/l	97
53) t-1,3-Dichloropropene	10.551	75	188041	50.936	ug/l	94
54) cis-1,3-Dichloropropene	10.016	75	229820	51.011	ug/l #	76
55) 1,1,2-Trichloroethane	10.734	97	120741	49.402	ug/l	93
56) Ethyl methacrylate	10.598	69	131899	53.691	ug/l #	70
57) 1,3-Dichloropropane	10.881	76	192142	50.110	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	307250	260.670	ug/l	92
59) 2-Hexanone	10.922	43	249613	268.328	ug/l	75
60) Dibromochloromethane	11.075	129	136684	49.737	ug/l	99
61) 1,2-Dibromoethane	11.181	107	107696	49.536	ug/l	98
64) Tetrachloroethene	10.810	164	137241	47.762	ug/l	93
65) Chlorobenzene	11.604	112	416543	48.965	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	141647	48.384	ug/l	94
67) Ethyl Benzene	11.687	91	678506	49.914	ug/l	98
68) m/p-Xylenes	11.792	106	558713	100.566	ug/l	91
69) o-Xylene	12.122	106	260801	51.447	ug/l	92
70) Styrene	12.134	104	452380	51.471	ug/l	95
71) Bromoform	12.298	173	81217	49.320	ug/l #	98
73) Isopropylbenzene	12.422	105	631289	51.244	ug/l	98
74) N-amyl acetate	12.234	43	116855	53.253	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.675	83	131044	49.493	ug/l	98
76) 1,2,3-Trichloropropane	12.728	75	72122m	45.842	ug/l	
77) Bromobenzene	12.698	156	168946	51.166	ug/l	91
78) n-propylbenzene	12.763	91	779443	50.831	ug/l	97
79) 2-Chlorotoluene	12.851	91	433411	51.069	ug/l	92
80) 1,3,5-Trimethylbenzene	12.904	105	532258	52.118	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	40143	51.675	ug/l #	74
82) 4-Chlorotoluene	12.945	91	460734	51.039	ug/l	93
83) tert-Butylbenzene	13.169	119	436565	50.582	ug/l	94
84) 1,2,4-Trimethylbenzene	13.210	105	535227	52.625	ug/l	95
85) sec-Butylbenzene	13.345	105	669833	49.798	ug/l	97
86) p-Isopropyltoluene	13.463	119	564921	51.328	ug/l	94
87) 1,3-Dichlorobenzene	13.457	146	335197	50.208	ug/l	96
88) 1,4-Dichlorobenzene	13.539	146	327941	49.609	ug/l	97
89) n-Butylbenzene	13.786	91	518222	49.964	ug/l	98
90) Hexachloroethane	14.051	117	106671	47.118	ug/l	94
91) 1,2-Dichlorobenzene	13.834	146	290011	49.500	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	17459	50.784	ug/l	83
93) 1,2,4-Trichlorobenzene	15.098	180	179531	52.681	ug/l	96
94) Hexachlorobutadiene	15.204	225	85298	49.090	ug/l	97
95) Naphthalene	15.333	128	342571	54.100	ug/l	100
96) 1,2,3-Trichlorobenzene	15.522	180	165466	53.387	ug/l	97

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

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