

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051923\
 Data File : VD076167.D
 Acq On : 19 May 2023 20:39
 Operator : KP/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/22/2023
 Supervised By :Mahesh Dadoda 05/22/2023

Quant Time: May 22 01:32:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 10:08:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	183075	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	316740	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	301320	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	160264	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	90729	51.277	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.560%			
35) Dibromofluoromethane	7.804	113	103811	47.416	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 94.840%			
50) Toluene-d8	10.269	98	407305	47.723	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.440%			
62) 4-Bromofluorobenzene	12.575	95	116902	49.309	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.620%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	73414	44.463	ug/l	95
3) Chloromethane	2.146	50	153876	57.403	ug/l	99
4) Vinyl Chloride	2.281	62	188499	52.935	ug/l	99
5) Bromomethane	2.681	94	113391	47.298	ug/l	97
6) Chloroethane	2.828	64	124232	51.857	ug/l	99
7) Trichlorofluoromethane	3.169	101	140671	46.607	ug/l	99
8) Diethyl Ether	3.593	74	49563	49.934	ug/l	77
9) 1,1,2-Trichlorotrifluo...	3.963	101	95195	47.882	ug/l	91
10) Methyl Iodide	4.158	142	109296	52.873	ug/l	91
11) Tert butyl alcohol	5.069	59	27111	289.658	ug/l #	100
12) 1,1-Dichloroethene	3.934	96	92331	46.663	ug/l	93
13) Acrolein	3.793	56	48406	211.315	ug/l	99
14) Allyl chloride	4.552	41	100537	50.065	ug/l #	80
15) Acrylonitrile	5.257	53	114714	279.128	ug/l	97
16) Acetone	4.022	43	76945	218.570	ug/l #	75
17) Carbon Disulfide	4.263	76	263373	49.130	ug/l	97
18) Methyl Acetate	4.563	43	67296	53.589	ug/l #	76
19) Methyl tert-butyl Ether	5.316	73	209011	53.969	ug/l	99
20) Methylene Chloride	4.799	84	134729	47.970	ug/l #	79
21) trans-1,2-Dichloroethene	5.310	96	109762	48.132	ug/l #	82
22) Diisopropyl ether	6.216	45	256258	54.977	ug/l #	90
23) Vinyl Acetate	6.157	43	507314m	276.808	ug/l	
24) 1,1-Dichloroethane	6.110	63	185639	50.500	ug/l	98
25) 2-Butanone	7.087	43	120337	271.861	ug/l #	83
26) 2,2-Dichloropropane	7.075	77	144426	48.183	ug/l	92
27) cis-1,2-Dichloroethene	7.075	96	130902	51.728	ug/l	84
28) Bromochloromethane	7.428	49	66549	54.294	ug/l #	68
29) Tetrahydrofuran	7.446	42	73862	286.288	ug/l #	67
30) Chloroform	7.593	83	197780	50.312	ug/l	97
31) Cyclohexane	7.881	56	126438	46.659	ug/l	87
32) 1,1,1-Trichloroethane	7.793	97	150337	47.988	ug/l	97
36) 1,1-Dichloropropene	8.010	75	137872	46.628	ug/l	94
37) Ethyl Acetate	7.169	43	53444	52.197	ug/l #	83
38) Carbon Tetrachloride	7.993	117	120667	45.180	ug/l	97
39) Methylcyclohexane	9.275	83	156018	45.830	ug/l	98
40) Benzene	8.251	78	448894	47.220	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	23458	41.783	ug/l #	58
42) 1,2-Dichloroethane	8.328	62	109239	48.583	ug/l	91
43) Isopropyl Acetate	8.363	43	96051	50.218	ug/l #	81
44) Trichloroethene	9.028	130	117217	43.752	ug/l	88
45) 1,2-Dichloropropane	9.304	63	112868	48.135	ug/l	96
46) Dibromomethane	9.393	93	63893	48.612	ug/l	96
47) Bromodichloromethane	9.587	83	152540	48.290	ug/l	97
48) Methyl methacrylate	9.381	41	46056	54.406	ug/l #	64
49) 1,4-Dioxane	9.381	88	15785	1123.086	ug/l #	76
51) 4-Methyl-2-Pentanone	10.157	43	268545	263.991	ug/l #	82
52) Toluene	10.334	92	290008	48.845	ug/l	95
53) t-1,3-Dichloropropene	10.551	75	139442	48.979	ug/l	94
54) cis-1,3-Dichloropropene	10.016	75	171231	49.284	ug/l #	76
55) 1,1,2-Trichloroethane	10.734	97	92187	48.911	ug/l	95
56) Ethyl methacrylate	10.598	69	103071	54.406	ug/l #	66
57) 1,3-Dichloropropane	10.881	76	148740	50.301	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	237698	261.498	ug/l	92
59) 2-Hexanone	10.922	43	185865	259.084	ug/l	76
60) Dibromochloromethane	11.075	129	105503	49.782	ug/l	98
61) 1,2-Dibromoethane	11.181	107	84916	50.647	ug/l	99
64) Tetrachloroethene	10.810	164	96327	41.573	ug/l	98
65) Chlorobenzene	11.604	112	311648	45.431	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	108993	46.170	ug/l	95
67) Ethyl Benzene	11.687	91	524813	47.879	ug/l	95
68) m/p-Xylenes	11.792	106	438310	97.839	ug/l	91
69) o-Xylene	12.122	106	200663	49.089	ug/l	92
70) Styrene	12.134	104	361746	51.042	ug/l	94
71) Bromoform	12.298	173	60968	45.914	ug/l #	95
73) Isopropylbenzene	12.422	105	499630	47.127	ug/l	97
74) N-amyl acetate	12.234	43	88880	47.067	ug/l #	77
75) 1,1,2,2-Tetrachloroethane	12.675	83	109307	47.972	ug/l	96
76) 1,2,3-Trichloropropane	12.722	75	71796m	51.193	ug/l	
77) Bromobenzene	12.698	156	122917	43.257	ug/l	95
78) n-propylbenzene	12.763	91	626692	47.491	ug/l	97
79) 2-Chlorotoluene	12.851	91	342639	46.915	ug/l	93
80) 1,3,5-Trimethylbenzene	12.904	105	422510	48.074	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.469	75	33330	49.856	ug/l #	71
82) 4-Chlorotoluene	12.945	91	357997	46.084	ug/l	93
83) tert-Butylbenzene	13.169	119	350032	47.127	ug/l	95
84) 1,2,4-Trimethylbenzene	13.210	105	425491	48.613	ug/l	95
85) sec-Butylbenzene	13.345	105	546879	47.245	ug/l	97
86) p-Isopropyltoluene	13.463	119	453076	47.835	ug/l	95
87) 1,3-Dichlorobenzene	13.457	146	265445	46.202	ug/l	96
88) 1,4-Dichlorobenzene	13.539	146	256401	45.071	ug/l	98
89) n-Butylbenzene	13.786	91	417562	46.781	ug/l	98
90) Hexachloroethane	14.051	117	87729	45.030	ug/l	100
91) 1,2-Dichlorobenzene	13.833	146	231899	45.995	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	14253	48.176	ug/l	87
93) 1,2,4-Trichlorobenzene	15.098	180	122964	41.928	ug/l	97
94) Hexachlorobutadiene	15.204	225	57412	38.394	ug/l	97
95) Naphthalene	15.328	128	263531	48.361	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	110373	41.381	ug/l	99

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

