

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071723\
 Data File : VD076764.D
 Acq On : 17 Jul 2023 19:45
 Operator : KP/SY
 Sample : VSTDCCC050
 Misc : 5.68G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/18/2023
 Supervised By : Mahesh Dadoda 07/18/2023

Quant Time: Jul 18 01:25:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 17 08:07:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	181270	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	322171	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	295568	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	137975	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	85279	47.233	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.460%		
35) Dibromofluoromethane	7.804	113	101806	50.286	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.580%		
50) Toluene-d8	10.269	98	343380	47.411	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	94.820%		
62) 4-Bromofluorobenzene	12.575	95	112247	47.908	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	95.820%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	70204	49.526	ug/l	99
3) Chloromethane	2.146	50	120588	49.315	ug/l	97
4) Vinyl Chloride	2.275	62	165998	50.926	ug/l	98
5) Bromomethane	2.675	94	124476	46.413	ug/l	99
6) Chloroethane	2.822	64	118732	48.245	ug/l	98
7) Trichlorofluoromethane	3.163	101	144671	49.880	ug/l	100
8) Diethyl Ether	3.587	74	48438	48.506	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.957	101	95247	49.958	ug/l	97
10) Methyl Iodide	4.157	142	107131	49.848	ug/l #	91
11) Tert butyl alcohol	5.051	59	32166	238.746	ug/l #	73
12) 1,1-Dichloroethene	3.934	96	85924	47.969	ug/l	86
13) Acrolein	3.793	56	14489	157.810	ug/l	93
14) Allyl chloride	4.551	41	111038	47.189	ug/l	92
15) Acrylonitrile	5.251	53	118603	241.819	ug/l	98
16) Acetone	4.022	43	94764	219.772	ug/l	92
17) Carbon Disulfide	4.263	76	204396	48.856	ug/l	98
18) Methyl Acetate	4.563	43	100462	62.012	ug/l	91
19) Methyl tert-butyl Ether	5.310	73	232310	48.362	ug/l	98
20) Methylene Chloride	4.793	84	138859	55.141	ug/l	90
21) trans-1,2-Dichloroethene	5.304	96	101490	48.744	ug/l	94
22) Diisopropyl ether	6.216	45	271228	48.677	ug/l	98
23) Vinyl Acetate	6.151	43	565139m	204.987	ug/l	
24) 1,1-Dichloroethane	6.104	63	181821	48.397	ug/l	99
25) 2-Butanone	7.081	43	136530	236.585	ug/l	88
26) 2,2-Dichloropropane	7.069	77	141171	43.592	ug/l	97
27) cis-1,2-Dichloroethene	7.081	96	131498	51.231	ug/l	99
28) Bromochloromethane	7.422	49	41270	43.939	ug/l	86
29) Tetrahydrofuran	7.445	42	84403	247.542	ug/l	95
30) Chloroform	7.592	83	205519	49.947	ug/l	91
31) Cyclohexane	7.869	56	124242	46.758	ug/l	93
32) 1,1,1-Trichloroethane	7.792	97	168135	50.645	ug/l	98
36) 1,1-Dichloropropene	8.004	75	135717	51.301	ug/l	98
37) Ethyl Acetate	7.169	43	60869	51.448	ug/l #	89
38) Carbon Tetrachloride	7.992	117	130941	51.691	ug/l	94
39) Methylcyclohexane	9.269	83	157877	51.684	ug/l	98
40) Benzene	8.251	78	423261	50.706	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.392	41	34649	47.959	ug/l #	91
42) 1,2-Dichloroethane	8.328	62	111553	51.434	ug/l	98
43) Isopropyl Acetate	8.357	43	114769	49.706	ug/l	93
44) Trichloroethene	9.028	130	110774	48.699	ug/l	92
45) 1,2-Dichloropropane	9.304	63	109230	50.693	ug/l	97
46) Dibromomethane	9.392	93	64455	51.104	ug/l	90
47) Bromodichloromethane	9.581	83	160266	50.636	ug/l	98
48) Methyl methacrylate	9.381	41	55716	53.018	ug/l	82
49) 1,4-Dioxane	9.386	88	15677	970.154	ug/l #	83
51) 4-Methyl-2-Pentanone	10.157	43	311920	253.726	ug/l	92
52) Toluene	10.333	92	276621	50.457	ug/l	95
53) t-1,3-Dichloropropene	10.551	75	145176	49.417	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	172298	49.764	ug/l #	93
55) 1,1,2-Trichloroethane	10.733	97	94503	51.311	ug/l	96
56) Ethyl methacrylate	10.598	69	104304	49.067	ug/l #	88
57) 1,3-Dichloropropane	10.880	76	149352	49.795	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	197417	239.925	ug/l	97
59) 2-Hexanone	10.922	43	217824	248.317	ug/l	92
60) Dibromochloromethane	11.075	129	108964	50.928	ug/l	98
61) 1,2-Dibromoethane	11.180	107	84514	49.495	ug/l	100
64) Tetrachloroethene	10.810	164	105549	62.626	ug/l	91
65) Chlorobenzene	11.604	112	300718	50.588	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.680	131	109549	49.499	ug/l	99
67) Ethyl Benzene	11.680	91	531533	50.914	ug/l	96
68) m/p-Xylenes	11.792	106	410388	102.355	ug/l	91
69) o-Xylene	12.122	106	200707	51.766	ug/l	93
70) Styrene	12.133	104	350633	51.660	ug/l	98
71) Bromoform	12.298	173	64691	53.370	ug/l #	100
73) Isopropylbenzene	12.422	105	521330	52.079	ug/l	96
74) N-amyl acetate	12.233	43	106554	50.526	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.675	83	109910	51.138	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	71545m	54.526	ug/l	
77) Bromobenzene	12.698	156	120447	52.127	ug/l	90
78) n-propylbenzene	12.763	91	645592	53.197	ug/l	96
79) 2-Chlorotoluene	12.851	91	350518	52.677	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	420943	52.005	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	29908	48.511	ug/l	98
82) 4-Chlorotoluene	12.945	91	365843	52.628	ug/l	96
83) tert-Butylbenzene	13.163	119	378073	53.048	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	427340	51.664	ug/l	96
85) sec-Butylbenzene	13.345	105	579315	53.203	ug/l	94
86) p-Isopropyltoluene	13.463	119	475179	52.841	ug/l	96
87) 1,3-Dichlorobenzene	13.457	146	245474	51.651	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	244119	52.427	ug/l	98
89) n-Butylbenzene	13.786	91	462438	52.552	ug/l	97
90) Hexachloroethane	14.051	117	90207	54.259	ug/l	86
91) 1,2-Dichlorobenzene	13.833	146	218442	52.161	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	15544	50.722	ug/l	99
93) 1,2,4-Trichlorobenzene	15.098	180	131156	51.299	ug/l	95
94) Hexachlorobutadiene	15.204	225	62310	50.675	ug/l	98
95) Naphthalene	15.327	128	280933	50.748	ug/l	99
96) 1,2,3-Trichlorobenzene	15.521	180	115126	50.179	ug/l	98

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

