

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061923\
 Data File : VD076481.D
 Acq On : 19 Jun 2023 20:47
 Operator : KP/SY
 Sample : VSTDCCC050
 Misc : 5.04G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John
 Carlone

Quant Time: Jun 20 05:29:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061623S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 19 04:51:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	131225	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	220117	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	204514	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	102871	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	57524	43.752	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.500%
35) Dibromofluoromethane	7.805	113	61721	47.200	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.400%
50) Toluene-d8	10.269	98	225103	45.391	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.780%
62) 4-Bromofluorobenzene	12.569	95	73399	45.604	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	91.200%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.928	85	51572	51.720	ug/l	94
3) Chloromethane	2.146	50	115486	55.689	ug/l	95
4) Vinyl Chloride	2.275	62	125501	54.251	ug/l	99
5) Bromomethane	2.681	94	64762	43.056	ug/l	99
6) Chloroethane	2.822	64	85655	54.023	ug/l	99
7) Trichlorofluoromethane	3.158	101	103194	54.206	ug/l	92
8) Diethyl Ether	3.587	74	36615	51.105	ug/l	66
9) 1,1,2-Trichlorotrifluo...	3.958	101	66918	54.580	ug/l	96
10) Methyl Iodide	4.152	142	78699	54.142	ug/l	94
11) Tert butyl alcohol	5.058	59	29678	261.442	ug/l #	95
12) 1,1-Dichloroethene	3.928	96	64735	53.911	ug/l #	78
13) Acrolein	3.787	56	25294	206.871	ug/l	96
14) Allyl chloride	4.552	41	112377	51.175	ug/l #	88
15) Acrylonitrile	5.252	53	104073	282.483	ug/l	99
16) Acetone	4.016	43	71005	226.952	ug/l #	84
17) Carbon Disulfide	4.264	76	174118	53.072	ug/l	98
18) Methyl Acetate	4.558	43	79448	55.102	ug/l #	82
19) Methyl tert-butyl Ether	5.316	73	177546	54.056	ug/l	99
20) Methylene Chloride	4.793	84	98411	57.243	ug/l #	75
21) trans-1,2-Dichloroethene	5.299	96	71785	51.724	ug/l	90
22) Diisopropyl ether	6.216	45	254394	53.575	ug/l #	91
23) Vinyl Acetate	6.152	43	643907	273.581	ug/l #	88
24) 1,1-Dichloroethane	6.105	63	145288	54.794	ug/l	95
25) 2-Butanone	7.087	43	131068	270.856	ug/l #	75
26) 2,2-Dichloropropane	7.075	77	108755	47.573	ug/l	96
27) cis-1,2-Dichloroethene	7.075	96	92090	54.827	ug/l	88
28) Bromochloromethane	7.422	49	37419	48.941	ug/l #	69
29) Tetrahydrofuran	7.440	42	84735	272.476	ug/l #	79
30) Chloroform	7.593	83	142782	54.384	ug/l	97
31) Cyclohexane	7.875	56	117707	58.032	ug/l #	78
32) 1,1,1-Trichloroethane	7.793	97	119405	56.262	ug/l	96
36) 1,1-Dichloropropene	8.005	75	103680	56.619	ug/l	97
37) Ethyl Acetate	7.169	43	55963	52.740	ug/l	93
38) Carbon Tetrachloride	7.987	117	95475	58.333	ug/l	96
39) Methylcyclohexane	9.269	83	125604	58.449	ug/l	91
40) Benzene	8.246	78	318856	57.099	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
41) Methacrylonitrile	7.399	41	29962	50.004	ug/l	#	86
42) 1,2-Dichloroethane	8.328	62	86172	57.109	ug/l		94
43) Isopropyl Acetate	8.363	43	116613	58.048	ug/l	#	85
44) Trichloroethene	9.022	130	83657	55.534	ug/l		95
45) 1,2-Dichloropropane	9.304	63	87472	57.772	ug/l		92
46) Dibromomethane	9.393	93	46687	57.561	ug/l		95
47) Bromodichloromethane	9.581	83	109922	56.632	ug/l		98
48) Methyl methacrylate	9.381	41	56155	60.988	ug/l	#	69
49) 1,4-Dioxane	9.387	88	11533	1186.760	ug/l	#	72
51) 4-Methyl-2-Pentanone	10.157	43	307349	299.298	ug/l	#	85
52) Toluene	10.328	92	202061	57.661	ug/l		98
53) t-1,3-Dichloropropene	10.551	75	110620	56.164	ug/l		98
54) cis-1,3-Dichloropropene	10.010	75	128183	54.894	ug/l	#	82
55) 1,1,2-Trichloroethane	10.734	97	65465	57.701	ug/l		91
56) Ethyl methacrylate	10.593	69	88373	59.655	ug/l	#	73
57) 1,3-Dichloropropane	10.881	76	112608	57.971	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.869	63	163907	260.978	ug/l		90
59) 2-Hexanone	10.922	43	210346	294.473	ug/l		84
60) Dibromochloromethane	11.075	129	80105	60.669	ug/l		97
61) 1,2-Dibromoethane	11.175	107	61399	57.649	ug/l		100
64) Tetrachloroethene	10.804	164	73781	60.101	ug/l		95
65) Chlorobenzene	11.604	112	218939	56.350	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.681	131	80734	58.102	ug/l		98
67) Ethyl Benzene	11.681	91	390722	56.754	ug/l		96
68) m/p-Xylenes	11.793	106	300009	111.634	ug/l		92
69) o-Xylene	12.122	106	147369	57.606	ug/l		94
70) Styrene	12.134	104	251438	56.898	ug/l		96
71) Bromoform	12.298	173	48010	57.545	ug/l	#	99
73) Isopropylbenzene	12.422	105	378786	54.690	ug/l		98
74) N-amyl acetate	12.234	43	111754	55.115	ug/l	#	85
75) 1,1,2,2-Tetrachloroethane	12.675	83	82119	57.458	ug/l		99
76) 1,2,3-Trichloropropane	12.722	75	63429m	62.126	ug/l		
77) Bromobenzene	12.698	156	94418	55.257	ug/l		88
78) n-propylbenzene	12.763	91	475363	55.586	ug/l		95
79) 2-Chlorotoluene	12.851	91	254575	54.210	ug/l		95
80) 1,3,5-Trimethylbenzene	12.904	105	308468	54.537	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.469	75	24595	52.786	ug/l		94
82) 4-Chlorotoluene	12.945	91	267242	54.796	ug/l		94
83) tert-Butylbenzene	13.163	119	279653	55.644	ug/l		96
84) 1,2,4-Trimethylbenzene	13.210	105	313406	54.984	ug/l		98
85) sec-Butylbenzene	13.345	105	427656	57.341	ug/l		95
86) p-Isopropyltoluene	13.457	119	347846	55.817	ug/l		96
87) 1,3-Dichlorobenzene	13.457	146	183452	54.657	ug/l		99
88) 1,4-Dichlorobenzene	13.540	146	179125	53.510	ug/l		98
89) n-Butylbenzene	13.787	91	331301	54.505	ug/l		99
90) Hexachloroethane	14.051	117	64443	56.036	ug/l		93
91) 1,2-Dichlorobenzene	13.828	146	165645	56.477	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.439	75	12295	57.154	ug/l		95
93) 1,2,4-Trichlorobenzene	15.098	180	106094	54.277	ug/l		98
94) Hexachlorobutadiene	15.204	225	52691	55.446	ug/l		99
95) Naphthalene	15.328	128	215030	55.013	ug/l		99
96) 1,2,3-Trichlorobenzene	15.516	180	95519	56.088	ug/l		100

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

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

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