

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071923\
 Data File : VD076800.D
 Acq On : 19 Jul 2023 19:38
 Operator : KP/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 20 05:02:34 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	148038	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	259437	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	248989	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	117233	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	76537	51.907	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.820%	
35) Dibromofluoromethane	7.805	113	88335	54.183	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.360%	
50) Toluene-d8	10.269	98	304674	52.239	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.480%	
62) 4-Bromofluorobenzene	12.575	95	95156	50.434	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 100.860%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.929	85	59463	51.366	ug/l	95
3) Chloromethane	2.146	50	99511	49.831	ug/l	96
4) Vinyl Chloride	2.276	62	143222	53.802	ug/l	99
5) Bromomethane	2.681	94	105151	48.009	ug/l	97
6) Chloroethane	2.828	64	104827	52.156	ug/l	97
7) Trichlorofluoromethane	3.170	101	126371	53.351	ug/l	99
8) Diethyl Ether	3.587	74	41618	51.032	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.958	101	84433	54.228	ug/l	96
10) Methyl Iodide	4.158	142	94828	54.028	ug/l	92
11) Tert butyl alcohol	5.052	59	26192	238.045	ug/l	# 90
12) 1,1-Dichloroethene	3.928	96	73589	50.305	ug/l	86
13) Acrolein	3.793	56	14428	192.422	ug/l	99
14) Allyl chloride	4.552	41	97374	50.672	ug/l	91
15) Acrylonitrile	5.252	53	105520	263.440	ug/l	99
16) Acetone	4.017	43	71105	201.921	ug/l	# 85
17) Carbon Disulfide	4.264	76	168595	49.345	ug/l	96
18) Methyl Acetate	4.558	43	71279	53.875	ug/l	92
19) Methyl tert-butyl Ether	5.322	73	197060	50.233	ug/l	97
20) Methylene Chloride	4.799	84	102694	48.709	ug/l	94
21) trans-1,2-Dichloroethene	5.305	96	88624	52.119	ug/l	99
22) Diisopropyl ether	6.217	45	244081	53.638	ug/l	96
23) Vinyl Acetate	6.152	43	590757m	262.381	ug/l	
24) 1,1-Dichloroethane	6.105	63	165233	53.855	ug/l	95
25) 2-Butanone	7.081	43	119841	254.283	ug/l	91
26) 2,2-Dichloropropane	7.075	77	127579	48.238	ug/l	95
27) cis-1,2-Dichloroethene	7.081	96	108524	51.772	ug/l	95
28) Bromochloromethane	7.428	49	36844	48.033	ug/l	82
29) Tetrahydrofuran	7.440	42	75694	271.835	ug/l	90
30) Chloroform	7.593	83	185115	55.087	ug/l	91
31) Cyclohexane	7.875	56	110499	50.921	ug/l	94
32) 1,1,1-Trichloroethane	7.793	97	147727	54.486	ug/l	98
36) 1,1-Dichloropropene	8.005	75	118823	55.775	ug/l	97
37) Ethyl Acetate	7.164	43	53692	56.356	ug/l	98
38) Carbon Tetrachloride	7.987	117	118485	58.084	ug/l	97
39) Methylcyclohexane	9.275	83	133886	54.428	ug/l	94
40) Benzene	8.246	78	372018	55.344	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	31211	53.646	ug/l #	90
42) 1,2-Dichloroethane	8.322	62	96901	55.482	ug/l	98
43) Isopropyl Acetate	8.358	43	100696	54.157	ug/l	93
44) Trichloroethene	9.028	130	99078	54.090	ug/l	99
45) 1,2-Dichloropropane	9.305	63	97873	56.406	ug/l	99
46) Dibromomethane	9.393	93	55908	55.046	ug/l	91
47) Bromodichloromethane	9.581	83	141562	55.541	ug/l	97
48) Methyl methacrylate	9.381	41	45111	53.307	ug/l	88
49) 1,4-Dioxane	9.387	88	13129	1008.936	ug/l #	95
51) 4-Methyl-2-Pentanone	10.157	43	285384	288.274	ug/l	94
52) Toluene	10.334	92	240601	54.499	ug/l	96
53) t-1,3-Dichloropropene	10.552	75	127763	54.006	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	148271	53.180	ug/l #	88
55) 1,1,2-Trichloroethane	10.734	97	82167	55.401	ug/l	98
56) Ethyl methacrylate	10.599	69	97217	56.792	ug/l #	89
57) 1,3-Dichloropropane	10.875	76	130856	54.178	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	169992	256.551	ug/l	95
59) 2-Hexanone	10.922	43	192662	272.742	ug/l	92
60) Dibromochloromethane	11.075	129	96304	55.895	ug/l	98
61) 1,2-Dibromoethane	11.181	107	72740	52.901	ug/l	99
64) Tetrachloroethene	10.810	164	75722	53.334	ug/l	93
65) Chlorobenzene	11.604	112	263085	52.536	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	97980	52.553	ug/l	97
67) Ethyl Benzene	11.681	91	465195	52.896	ug/l	99
68) m/p-Xylenes	11.793	106	362554	107.341	ug/l	91
69) o-Xylene	12.122	106	168867	51.701	ug/l	93
70) Styrene	12.134	104	304026	53.173	ug/l	98
71) Bromoform	12.299	173	55396	54.251	ug/l #	97
73) Isopropylbenzene	12.422	105	449864	52.891	ug/l	95
74) N-amyl acetate	12.234	43	96098	53.630	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.669	83	99669	54.577	ug/l	96
76) 1,2,3-Trichloropropane	12.722	75	60008m	53.825	ug/l	
77) Bromobenzene	12.699	156	99752	50.809	ug/l	85
78) n-propylbenzene	12.763	91	557952	54.110	ug/l	95
79) 2-Chlorotoluene	12.851	91	299028	52.890	ug/l	95
80) 1,3,5-Trimethylbenzene	12.904	105	370553	53.879	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.469	75	26990	51.523	ug/l	98
82) 4-Chlorotoluene	12.946	91	310437	52.559	ug/l	94
83) tert-Butylbenzene	13.163	119	331746	54.784	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	368795	52.475	ug/l	97
85) sec-Butylbenzene	13.346	105	502339	54.296	ug/l	95
86) p-Isopropyltoluene	13.457	119	419093	54.850	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	212566	52.640	ug/l	97
88) 1,4-Dichlorobenzene	13.534	146	208555	52.714	ug/l	98
89) n-Butylbenzene	13.787	91	400291	53.538	ug/l	98
90) Hexachloroethane	14.051	117	83416	59.051	ug/l	82
91) 1,2-Dichlorobenzene	13.828	146	187139	52.593	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	13824	53.091	ug/l	96
93) 1,2,4-Trichlorobenzene	15.098	180	111149	51.166	ug/l	96
94) Hexachlorobutadiene	15.198	225	53581	51.285	ug/l	99
95) Naphthalene	15.328	128	241884	51.425	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	97678	50.106	ug/l	98

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

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