

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100620\
 Data File : VD067096.D
 Acq On : 06 Oct 2020 09:47
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/7/2020 12:10:01 PM

Quant Time: Oct 07 01:24:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	439288	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	642358	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	583115	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	286793	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	199467	47.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.28%	
35) Dibromofluoromethane	7.91	113	216379	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
50) Toluene-d8	10.34	98	786734	51.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.68%	
62) 4-Bromofluorobenzene	12.63	95	265302	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	201172	57.644	ug/l	99
3) Chloromethane	2.21	50	147677	42.213	ug/l	96
4) Vinyl Chloride	2.35	62	161225	45.961	ug/l	99
5) Bromomethane	2.77	94	112270	49.621	ug/l	97
6) Chloroethane	2.92	64	96921	45.369	ug/l	94
7) Trichlorofluoromethane	3.27	101	384344	49.316	ug/l	99
8) Diethyl Ether	3.71	74	92505	47.865	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	220528	50.063	ug/l	97
10) Methyl Iodide	4.30	142	200370	46.813	ug/l	99
11) Tert butyl alcohol	5.21	59	55320	216.594	ug/l	100
12) 1,1-Dichloroethene	4.07	96	200497	48.417	ug/l	97
13) Acrolein	3.92	56	71709	253.102	ug/l	100
14) Allyl chloride	4.71	41	253661	47.152	ug/l	98
15) Acrylonitrile	5.42	53	170033	239.047	ug/l	99
16) Acetone	4.16	43	195241	302.279	ug/l	99
17) Carbon Disulfide	4.41	76	603890	47.518	ug/l	98
18) Methyl Acetate	4.71	43	77693	47.859	ug/l	95
19) Methyl tert-butyl Ether	5.48	73	385853	51.042	ug/l	94
20) Methylene Chloride	4.96	84	229290	50.030	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	234549	49.770	ug/l	97
22) Diisopropyl ether	6.36	45	468974	47.751	ug/l	96
23) Vinyl Acetate	6.30	43	1380775	248.103	ug/l	99
24) 1,1-Dichloroethane	6.26	63	364380	48.074	ug/l	99
25) 2-Butanone	7.21	43	207336	226.416	ug/l	93
26) 2,2-Dichloropropane	7.20	77	347280	53.905	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	250165	49.704	ug/l	98
28) Bromochloromethane	7.54	49	131643	44.974	ug/l	93
29) Tetrahydrofuran	7.56	42	124634	236.705	ug/l	93
30) Chloroform	7.71	83	404354	49.179	ug/l	99
31) Cyclohexane	7.98	56	298510	46.977	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	389288	51.088	ug/l	97
36) 1,1-Dichloropropene	8.11	75	312834	52.248	ug/l	98
37) Ethyl Acetate	7.29	43	99863	48.145	ug/l	97
38) Carbon Tetrachloride	8.10	117	354797	54.766	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	350743	55.408	ug/l	99
40) Benzene	8.35	78	858189	51.603	ug/l	99
41) Methacrylonitrile	7.52	41	60287	53.799	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	237075	51.016	ug/l	99
43) Isopropyl Acetate	8.45	43	192203	50.299	ug/l	99
44) Trichloroethene	9.11	130	269109	54.190	ug/l	97
45) 1,2-Dichloropropane	9.38	63	207606	53.129	ug/l	97
46) Dibromomethane	9.47	93	120639	53.716	ug/l	98
47) Bromodichloromethane	9.66	83	309738	53.055	ug/l	96
48) Methyl methacrylate	9.46	41	94505	48.275	ug/l #	82
49) 1,4-Dioxane	9.46	88	24101	1028.213	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	493460	259.263	ug/l	99
52) Toluene	10.40	92	567622	52.985	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	277696	53.223	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	335227	52.615	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	161430	51.700	ug/l	93
56) Ethyl methacrylate	10.66	69	184653	57.279	ug/l	99
57) 1,3-Dichloropropane	10.94	76	265037	52.344	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	477531	266.142	ug/l	96
59) 2-Hexanone	10.98	43	351729	276.874	ug/l	97
60) Dibromochloromethane	11.14	129	226597	54.448	ug/l	98
61) 1,2-Dibromoethane	11.24	107	158549	52.853	ug/l	98
64) Tetrachloroethene	10.87	164	223868	52.808	ug/l	96
65) Chlorobenzene	11.67	112	616599	53.167	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	239225	54.228	ug/l	98
67) Ethyl Benzene	11.74	91	1093693	55.040	ug/l	98
68) m/p-Xylenes	11.86	106	832485	107.500	ug/l	98
69) o-Xylene	12.18	106	379318	54.774	ug/l	96
70) Styrene	12.20	104	653272	54.936	ug/l	99
71) Bromoform	12.36	173	127042	55.478	ug/l #	99
73) Isopropylbenzene	12.48	105	1085482	55.741	ug/l	100
74) N-amyl acetate	12.29	43	173802	49.648	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	163758	49.911	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	109030m	43.646	ug/l	
77) Bromobenzene	12.76	156	250084	53.185	ug/l	96
78) n-propylbenzene	12.82	91	1262519	54.858	ug/l	99
79) 2-Chlorotoluene	12.91	91	697270	52.953	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	913876	55.545	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	52606	52.502	ug/l	97
82) 4-Chlorotoluene	13.01	91	737312	52.629	ug/l	99
83) tert-Butylbenzene	13.23	119	765443	55.247	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	907163	55.249	ug/l	98
85) sec-Butylbenzene	13.40	105	1071761	54.930	ug/l	100
86) p-Isopropyltoluene	13.52	119	1006788	55.657	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	484263	52.873	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	473132	51.663	ug/l	99
89) n-Butylbenzene	13.85	91	917672	55.509	ug/l	99
90) Hexachloroethane	14.11	117	170094	53.681	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	414125	51.773	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	26742	50.562	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	293774	56.780	ug/l	99
94) Hexachlorobutadiene	15.27	225	178082	56.044	ug/l	99
95) Naphthalene	15.41	128	498566	57.772	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	253928	56.536	ug/l	98

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

