

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080620\
 Data File : VD066146.D
 Acq On : 06 Aug 2020 20:35
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/7/2020 12:48:38 PM

Quant Time: Aug 07 02:44:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	312537	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	490759	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	460675	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	227301	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	155824	55.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.76%	
35) Dibromofluoromethane	7.91	113	159961	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
50) Toluene-d8	10.34	98	609379	53.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.24%	
62) 4-Bromofluorobenzene	12.64	95	211500	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	116824	42.427	ug/l	98
3) Chloromethane	2.20	50	107687	50.275	ug/l	98
4) Vinyl Chloride	2.34	62	98350	51.863	ug/l	95
5) Bromomethane	2.77	94	70485	56.023	ug/l	94
6) Chloroethane	2.92	64	62118	53.364	ug/l #	83
7) Trichlorofluoromethane	3.27	101	220692	44.639	ug/l	99
8) Diethyl Ether	3.71	74	72284	51.817	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	136418	46.495	ug/l	99
10) Methyl Iodide	4.30	142	156800	57.532	ug/l	97
11) Tert butyl alcohol	5.21	59	49753	236.981	ug/l	100
12) 1,1-Dichloroethene	4.07	96	135355	48.902	ug/l	94
13) Acrolein	3.92	56	46542	209.702	ug/l	99
14) Allyl chloride	4.71	41	230674	55.011	ug/l	97
15) Acrylonitrile	5.41	53	159919	272.045	ug/l	100
16) Acetone	4.16	43	120383	227.541	ug/l	93
17) Carbon Disulfide	4.40	76	434977	49.426	ug/l	97
18) Methyl Acetate	4.71	43	70376	52.370	ug/l	95
19) Methyl tert-butyl Ether	5.48	73	335037	52.811	ug/l	97
20) Methylene Chloride	4.96	84	181885	60.878	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	164077	51.602	ug/l	94
22) Diisopropyl ether	6.36	45	470843	56.782	ug/l	98
23) Vinyl Acetate	6.30	43	1349977	277.893	ug/l	99
24) 1,1-Dichloroethane	6.26	63	278462	54.263	ug/l	100
25) 2-Butanone	7.21	43	195860	251.700	ug/l	96
26) 2,2-Dichloropropane	7.20	77	201356	43.778	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	185320	55.567	ug/l	97
28) Bromochloromethane	7.54	49	104902	58.201	ug/l	95
29) Tetrahydrofuran	7.56	42	130306	270.281	ug/l	97
30) Chloroform	7.71	83	286202	53.114	ug/l	94
31) Cyclohexane	7.98	56	227402	46.552	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	255783	50.627	ug/l	99
36) 1,1-Dichloropropene	8.11	75	213582	46.314	ug/l	99
37) Ethyl Acetate	7.29	43	88384	48.371	ug/l	96
38) Carbon Tetrachloride	8.09	117	225665	43.881	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	251982	45.201	ug/l	97
40) Benzene	8.35	78	641104	50.113	ug/l	97
41) Methacrylonitrile	7.53	41	60459m	56.276	ug/l	
42) 1,2-Dichloroethane	8.43	62	183298	48.772	ug/l	100
43) Isopropyl Acetate	8.45	43	182492	50.691	ug/l	99
44) Trichloroethene	9.11	130	184559	47.875	ug/l	100
45) 1,2-Dichloropropane	9.38	63	160442	51.278	ug/l	96
46) Dibromomethane	9.47	93	85404	49.554	ug/l	99
47) Bromodichloromethane	9.66	83	223523	49.072	ug/l	97
48) Methyl methacrylate	9.46	41	90412	49.183	ug/l	94
49) 1,4-Dioxane	9.46	88	20496	925.662	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	465522	251.738	ug/l	100
52) Toluene	10.40	92	423096	50.260	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	214292	49.573	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	249383	49.239	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	119888	48.309	ug/l	96
56) Ethyl methacrylate	10.66	69	155449	52.143	ug/l	98
57) 1,3-Dichloropropane	10.94	76	204568	49.653	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	381428	284.437	ug/l	99
59) 2-Hexanone	10.98	43	318892	245.713	ug/l	97
60) Dibromochloromethane	11.14	129	164175	47.918	ug/l	98
61) 1,2-Dibromoethane	11.24	107	121583	50.943	ug/l	96
64) Tetrachloroethene	10.87	164	161385	45.621	ug/l	96
65) Chlorobenzene	11.67	112	459834	49.170	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	173260	47.350	ug/l	99
67) Ethyl Benzene	11.74	91	786230	48.515	ug/l	98
68) m/p-Xylenes	11.86	106	605399	96.419	ug/l	99
69) o-Xylene	12.18	106	285846	50.046	ug/l	98
70) Styrene	12.20	104	497808	49.732	ug/l	100
71) Bromoform	12.37	173	99838	46.052	ug/l #	99
73) Isopropylbenzene	12.48	105	767578	50.589	ug/l	100
74) N-amyl acetate	12.29	43	175561	52.545	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	127175	49.155	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	91536m	48.290	ug/l	
77) Bromobenzene	12.77	156	193681	49.588	ug/l	96
78) n-propylbenzene	12.83	91	877019	49.725	ug/l	99
79) 2-Chlorotoluene	12.91	91	510170	50.575	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	637258	50.220	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	39511	46.078	ug/l	97
82) 4-Chlorotoluene	13.01	91	538030	50.525	ug/l	100
83) tert-Butylbenzene	13.23	119	557664	49.973	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	643654	50.686	ug/l	99
85) sec-Butylbenzene	13.41	105	734533	48.753	ug/l	99
86) p-Isopropyltoluene	13.52	119	686124	48.554	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	356704	48.592	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	356925	48.755	ug/l	99
89) n-Butylbenzene	13.85	91	609707	48.157	ug/l	98
90) Hexachloroethane	14.11	117	137401	48.753	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	320275	49.334	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	21284	47.865	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	226030	47.245	ug/l	98
94) Hexachlorobutadiene	15.27	225	128434	45.588	ug/l	99
95) Naphthalene	15.41	128	401855	51.550	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	202872	48.035	ug/l	99

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

