

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021020\
 Data File : VD065124.D
 Acq On : 10 Feb 2020 10:41
 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
 2/11/2020 6:09:26 PM

Quant Time: Feb 11 08:14:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	522502	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	742678	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	661005	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	319884	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	234605	52.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.66%	
35) Dibromofluoromethane	7.92	113	238741	57.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.24%	
50) Toluene-d8	10.34	98	955587	57.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.88%	
62) 4-Bromofluorobenzene	12.64	95	291069	55.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	221325	50.902	ug/l	97
3) Chloromethane	2.21	50	258586	50.521	ug/l	96
4) Vinyl Chloride	2.35	62	280330	51.788	ug/l	100
5) Bromomethane	2.77	94	171672	48.912	ug/l	97
6) Chloroethane	2.93	64	168188	50.089	ug/l	97
7) Trichlorofluoromethane	3.27	101	399566	50.722	ug/l	99
8) Diethyl Ether	3.71	74	102355	45.260	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	239598	49.753	ug/l	100
10) Methyl Iodide	4.30	142	268055	48.767	ug/l	98
11) Tert butyl alcohol	5.25	59	57225	210.907	ug/l	97
12) 1,1-Dichloroethene	4.06	96	225488	48.889	ug/l	99
13) Acrolein	3.92	56	78969	236.628	ug/l	97
14) Allyl chloride	4.71	41	369917	48.258	ug/l	98
15) Acrylonitrile	5.43	53	234283	236.961	ug/l	98
16) Acetone	4.16	43	308040	277.443	ug/l	99
17) Carbon Disulfide	4.40	76	744242	50.257	ug/l	98
18) Methyl Acetate	4.72	43	103231	44.502	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	463120	45.408	ug/l	98
20) Methylene Chloride	4.96	84	237682	48.500	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	253528	48.585	ug/l	96
22) Diisopropyl ether	6.37	45	714581	49.422	ug/l	97
23) Vinyl Acetate	6.31	43	1968823	244.299	ug/l	100
24) 1,1-Dichloroethane	6.27	63	431026	49.251	ug/l	98
25) 2-Butanone	7.22	43	329809	249.025	ug/l	97
26) 2,2-Dichloropropane	7.21	77	392006	49.973	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	266127	48.006	ug/l	100
28) Bromochloromethane	7.55	49	168977	50.935	ug/l	100
29) Tetrahydrofuran	7.57	42	187462	234.060	ug/l	98
30) Chloroform	7.71	83	432515	49.634	ug/l	94
31) Cyclohexane	7.99	56	419730	47.512	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	402972	49.643	ug/l	99
36) 1,1-Dichloropropene	8.11	75	360202	52.159	ug/l	99
37) Ethyl Acetate	7.30	43	132927	47.116	ug/l	100
38) Carbon Tetrachloride	8.10	117	372396	52.799	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	444782	52.180	ug/l	99
40) Benzene	8.36	78	988720	51.846	ug/l	98
41) Methacrylonitrile	7.53	41	77004	49.543	ug/l	94
42) 1,2-Dichloroethane	8.43	62	263989	48.583	ug/l	99
43) Isopropyl Acetate	8.46	43	249430	46.218	ug/l	100
44) Trichloroethene	9.11	130	272623	49.805	ug/l	99
45) 1,2-Dichloropropane	9.39	63	239823	52.452	ug/l	97
46) Dibromomethane	9.48	93	118888	49.482	ug/l	99
47) Bromodichloromethane	9.67	83	322912	51.008	ug/l	97
48) Methyl methacrylate	9.46	41	119766	46.118	ug/l	97
49) 1,4-Dioxane	9.47	88	25959	912.208	ug/l	94
51) 4-Methyl-2-Pentanone	10.24	43	649430	244.475	ug/l	99
52) Toluene	10.41	92	631804	51.909	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	308588	50.065	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	373470	50.661	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	164783	50.002	ug/l	96
56) Ethyl methacrylate	10.67	69	207716	49.815	ug/l	98
57) 1,3-Dichloropropane	10.95	76	284961	49.174	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	308244	227.051	ug/l	100
59) 2-Hexanone	10.99	43	511847	272.026	ug/l	100
60) Dibromochloromethane	11.14	129	217661	50.992	ug/l	99
61) 1,2-Dibromoethane	11.25	107	158794	49.313	ug/l	100
64) Tetrachloroethene	10.88	164	236680	49.831	ug/l	96
65) Chlorobenzene	11.68	112	642372	50.245	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	238421	50.528	ug/l	99
67) Ethyl Benzene	11.75	91	1196702	51.521	ug/l	99
68) m/p-Xylenes	11.86	106	919268	103.692	ug/l	100
69) o-Xylene	12.19	106	405824	50.833	ug/l	99
70) Styrene	12.20	104	723973	52.177	ug/l	99
71) Bromoform	12.37	173	127091	50.040	ug/l #	100
73) Isopropylbenzene	12.48	105	1129650	51.452	ug/l	100
74) N-amyl acetate	12.30	43	224996	47.148	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	170062	49.215	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	118054m	48.745	ug/l	
77) Bromobenzene	12.77	156	259336	49.025	ug/l	99
78) n-propylbenzene	12.83	91	1337268	52.009	ug/l	100
79) 2-Chlorotoluene	12.91	91	722103	50.384	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	918844	51.155	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	57242	47.269	ug/l	99
82) 4-Chlorotoluene	13.01	91	764137	50.765	ug/l	100
83) tert-Butylbenzene	13.23	119	774856	50.002	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	911495	51.115	ug/l	99
85) sec-Butylbenzene	13.41	105	1098456	51.900	ug/l	99
86) p-Isopropyltoluene	13.53	119	1029105	52.332	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	499852	50.468	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	484474	49.147	ug/l	99
89) n-Butylbenzene	13.86	91	966374	53.242	ug/l	99
90) Hexachloroethane	14.12	117	193218	51.889	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	417887	49.260	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	27091	48.027	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	286061	47.179	ug/l	99
94) Hexachlorobutadiene	15.28	225	178612	47.909	ug/l	98
95) Naphthalene	15.41	128	472511	46.886	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	243010	46.856	ug/l	100

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

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