

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021820\
 Data File : VD065217.D
 Acq On : 18 Feb 2020 12:54
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 2/19/2020 1:44:17 PM

Quant Time: Feb 19 03:22:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 02:58:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	510703	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	748805	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	678492	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	327992	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	674010	146.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	293.40%	
35) Dibromofluoromethane	7.92	113	683623	149.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	299.46%	
50) Toluene-d8	10.34	98	2717441	155.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	311.38%	
62) 4-Bromofluorobenzene	12.64	95	854277	154.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	309.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	596302	139.211	ug/l	99
3) Chloromethane	2.21	50	709912	130.209	ug/l	98
4) Vinyl Chloride	2.35	62	730622	131.785	ug/l	99
5) Bromomethane	2.75	94	437025	130.375	ug/l	99
6) Chloroethane	2.91	64	441607	130.495	ug/l	98
7) Trichlorofluoromethane	3.27	101	1021919	128.749	ug/l	98
8) Diethyl Ether	3.71	74	321804	134.314	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	641824	128.046	ug/l	100
10) Methyl Iodide	4.30	142	834903	160.424	ug/l	99
11) Tert butyl alcohol	5.25	59	186821	680.488	ug/l	100
12) 1,1-Dichloroethene	4.06	96	632651	133.612	ug/l	95
13) Acrolein	3.92	56	232282	568.339	ug/l	99
14) Allyl chloride	4.71	41	1090375	141.807	ug/l	99
15) Acrylonitrile	5.43	53	761182	717.589	ug/l	99
16) Acetone	4.17	43	803850	715.756	ug/l	98
17) Carbon Disulfide	4.40	76	2119831	133.536	ug/l	99
18) Methyl Acetate	4.73	43	337749	133.715	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	1459674	147.829	ug/l	100
20) Methylene Chloride	4.96	84	682752	119.760	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	729609	135.544	ug/l	99
22) Diisopropyl ether	6.37	45	2094571	141.305	ug/l	99
23) Vinyl Acetate	6.31	43	6296750	770.541	ug/l	100
24) 1,1-Dichloroethane	6.27	63	1228670	133.636	ug/l	98
25) 2-Butanone	7.23	43	1034674	728.162	ug/l	99
26) 2,2-Dichloropropane	7.21	77	1046025	131.127	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	791876	138.883	ug/l	99
28) Bromochloromethane	7.55	49	486718	142.691	ug/l	100
29) Tetrahydrofuran	7.57	42	625309	751.066	ug/l	99
30) Chloroform	7.71	83	1218610	131.559	ug/l	98
31) Cyclohexane	7.98	56	1173470	129.902	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	1098193	132.510	ug/l	99
36) 1,1-Dichloropropene	8.11	75	1001182	137.413	ug/l	99
37) Ethyl Acetate	7.30	43	443628	145.650	ug/l	99
38) Carbon Tetrachloride	8.10	117	1002232	135.127	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	1266071	147.809	ug/l	98
40) Benzene	8.36	78	2844096	138.297	ug/l	99
41) Methacrylonitrile	7.53	41	243141	138.254	ug/l	100
42) 1,2-Dichloroethane	8.43	62	765416	135.384	ug/l	100
43) Isopropyl Acetate	8.46	43	826420	149.206	ug/l	99
44) Trichloroethene	9.11	130	781271	137.051	ug/l	100
45) 1,2-Dichloropropane	9.39	63	697099	136.320	ug/l	100
46) Dibromomethane	9.48	93	362974	137.955	ug/l	98
47) Bromodichloromethane	9.67	83	938198	135.306	ug/l	100
48) Methyl methacrylate	9.46	41	399866	156.186	ug/l	98
49) 1,4-Dioxane	9.47	88	90166	2921.884	ug/l	95
51) 4-Methyl-2-Pentanone	10.24	43	2112278	750.841	ug/l	99
52) Toluene	10.41	92	1817851	142.807	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	941639	146.511	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	1130123	145.616	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	500003	135.016	ug/l	96
56) Ethyl methacrylate	10.67	69	676544	158.278	ug/l	99
57) 1,3-Dichloropropane	10.95	76	885022	140.415	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	981364	728.231	ug/l	98
59) 2-Hexanone	10.99	43	1552290	770.821	ug/l	97
60) Dibromochloromethane	11.14	129	653264	137.822	ug/l	99
61) 1,2-Dibromoethane	11.25	107	493742	140.815	ug/l	99
64) Tetrachloroethene	10.88	164	657383	136.611	ug/l	94
65) Chlorobenzene	11.68	112	1880987	138.149	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	694935	136.772	ug/l	99
67) Ethyl Benzene	11.75	91	3414012	143.167	ug/l	100
68) m/p-Xylenes	11.86	106	2610063	286.084	ug/l	99
69) o-Xylene	12.18	106	1192713	147.560	ug/l	99
70) Styrene	12.20	104	2107280	146.840	ug/l	100
71) Bromoform	12.37	173	395191	140.166	ug/l #	99
73) Isopropylbenzene	12.48	105	3217012	148.150	ug/l	99
74) N-amyl acetate	12.30	43	761686	157.859	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	538022	137.285	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	368964m	78.496	ug/l	
77) Bromobenzene	12.77	156	770196	142.837	ug/l	100
78) n-propylbenzene	12.83	91	3783136	144.976	ug/l	99
79) 2-Chlorotoluene	12.91	91	2081821	142.410	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	2618694	146.420	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	196073	151.705	ug/l	96
82) 4-Chlorotoluene	13.01	91	2174224	140.095	ug/l	99
83) tert-Butylbenzene	13.23	119	2231178	148.848	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	2610487	145.827	ug/l	100
85) sec-Butylbenzene	13.41	105	3123633	144.617	ug/l	100
86) p-Isopropyltoluene	13.53	119	2918597	147.758	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	1447849	138.894	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	1416613	137.694	ug/l	99
89) n-Butylbenzene	13.85	91	2690926	147.840	ug/l	99
90) Hexachloroethane	14.12	117	554460	138.246	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	1238531	138.375	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	86187	142.709	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	882777	150.782	ug/l	99
94) Hexachlorobutadiene	15.28	225	530950	141.373	ug/l	99
95) Naphthalene	15.41	128	1587564	166.799	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	767077	150.017	ug/l	99

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

