

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012319\
 Data File : VD060787.D
 Acq On : 23 Jan 2019 17:34
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

MMDadoda
 1/24/2019 12:49:52 PM

Quant Time: Jan 24 06:03:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 24 05:41:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.80	168	645891	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.98	114	889226	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.16	117	705855	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.32	152	354935	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.22	65	592449	69.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	139.44%	
35) Dibromofluoromethane	6.68	113	525326	66.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	133.64%	
50) Toluene-d8	10.18	98	1313431	70.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	141.24%	
62) 4-Bromofluorobenzene	13.35	95	650264	71.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	143.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	631598	77.247	ug/l	95
3) Chloromethane	1.76	50	310949	72.606	ug/l	99
4) Vinyl Chloride	1.85	62	353905	72.976	ug/l	99
5) Bromomethane	2.13	94	94007	66.230	ug/l	97
6) Chloroethane	2.24	64	107880	62.065	ug/l	97
7) Trichlorofluoromethane	2.49	101	656048	70.423	ug/l	96
8) Diethyl Ether	2.80	74	89914	81.609	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.06	101	338930	73.480	ug/l	97
10) Methyl Iodide	3.20	142	374818	75.479	ug/l	99
11) Tert butyl alcohol	3.92	59	175822	357.827	ug/l	99
12) 1,1-Dichloroethene	3.04	96	230306	71.671	ug/l	93
13) Acrolein	2.96	56	64699	352.566	ug/l	99
14) Allyl chloride	3.50	41	540365	79.059	ug/l	99
15) Acrylonitrile	4.04	53	406098	355.196	ug/l	96
16) Acetone	3.13	43	459286	389.176	ug/l	99
17) Carbon Disulfide	3.27	76	805600	75.991	ug/l	98
18) Methyl Acetate	3.52	43	193232	77.800	ug/l	96
19) Methyl tert-butyl Ether	4.08	73	1095119	71.938	ug/l	99
20) Methylene Chloride	3.68	84	444454	71.264	ug/l	98
21) trans-1,2-Dichloroethene	4.05	96	431679	70.441	ug/l	94
22) Diisopropyl ether	4.89	45	1553406	74.016	ug/l	97
23) Vinyl Acetate	4.83	43	4291515	357.344	ug/l	100
24) 1,1-Dichloroethane	4.77	63	968927	76.429	ug/l	98
25) 2-Butanone	5.84	43	669689	361.806	ug/l	95
26) 2,2-Dichloropropane	5.78	77	926786	73.774	ug/l	98
27) cis-1,2-Dichloroethene	5.80	96	471382	74.436	ug/l	93
28) Bromochloromethane	6.20	49	364499	70.846	ug/l	88
29) Tetrahydrofuran	6.23	42	329388	369.404	ug/l	98
30) Chloroform	6.41	83	1078241	72.782	ug/l	98
31) Cyclohexane	6.72	56	645617	69.145	ug/l	98
32) 1,1,1-Trichloroethane	6.63	97	1001546	71.831	ug/l	98
36) 1,1-Dichloropropene	6.91	75	731980	71.540	ug/l	99
37) Ethyl Acetate	5.94	43	332994	78.307	ug/l	97
38) Carbon Tetrachloride	6.88	117	860919	68.274	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.63	83	643694	70.567	ug/l	99
40) Benzene	7.22	78	1516011	72.668	ug/l	99
41) Methacrylonitrile	6.21	41	219481m	69.110	ug/l	
42) 1,2-Dichloroethane	7.34	62	802196	70.877	ug/l	94
43) Isopropyl Acetate	9.00	43	484622	74.198	ug/l #	100
44) Trichloroethene	8.30	130	530211	71.644	ug/l	97
45) 1,2-Dichloropropane	8.71	63	405741	74.948	ug/l	97
46) Dibromomethane	8.82	93	316450	71.460	ug/l	94
47) Bromodichloromethane	9.14	83	840185	77.021	ug/l	97
48) Methyl methacrylate	8.88	41	326433	74.065	ug/l	97
49) 1,4-Dioxane	8.85	88	56142	1508.955	ug/l	89
51) 4-Methyl-2-Pentanone	10.08	43	1484697	345.565	ug/l	99
52) Toluene	10.28	92	870104	66.643	ug/l	100
53) t-1,3-Dichloropropene	10.70	75	740353	69.357	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	791739	78.083	ug/l	98
55) 1,1,2-Trichloroethane	10.97	97	330027	71.247	ug/l	94
56) Ethyl methacrylate	10.82	69	392825	73.078	ug/l	91
57) 1,3-Dichloropropane	11.19	76	590592	72.780	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.63	63	1001559	329.774	ug/l	96
59) 2-Hexanone	11.32	43	1150124	362.804	ug/l	97
60) Dibromochloromethane	11.47	129	565727	77.034	ug/l	98
61) 1,2-Dibromoethane	11.59	107	425308	80.959	ug/l	94
64) Tetrachloroethene	11.04	164	483770	78.249	ug/l	98
65) Chlorobenzene	12.19	112	1076808	76.105	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.30	131	459316	72.936	ug/l	99
67) Ethyl Benzene	12.32	91	1885999	71.534	ug/l	100
68) m/p-Xylenes	12.47	106	1194928	138.298	ug/l	100
69) o-Xylene	12.84	106	588940	72.572	ug/l	95
70) Styrene	12.87	104	979131	68.509	ug/l	99
71) Bromoform	13.03	173	385127	82.850	ug/l #	96
73) Isopropylbenzene	13.21	105	1944937	74.619	ug/l	99
74) N-amyl acetate	13.07	43	660514	79.995	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.50	83	388599	80.239	ug/l	99
76) 1,2,3-Trichloropropane	13.53	75	473484	80.443	ug/l	95
77) Bromobenzene	13.47	156	544619	77.258	ug/l	94
78) n-propylbenzene	13.57	91	2289098	70.077	ug/l	96
79) 2-Chlorotoluene	13.64	91	1399732	73.872	ug/l	99
80) 1,3,5-Trimethylbenzene	14.04	105	1611600	72.229	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.27	75	123607	76.041	ug/l	97
82) 4-Chlorotoluene	13.75	91	1654756	75.411	ug/l	99
83) tert-Butylbenzene	13.99	119	1695730	73.881	ug/l	95
84) 1,2,4-Trimethylbenzene	14.04	105	1611600	72.229	ug/l	100
85) sec-Butylbenzene	14.17	105	1991732	71.248	ug/l	100
86) p-Isopropyltoluene	14.30	119	1585239	68.918	ug/l	99
87) 1,3-Dichlorobenzene	14.26	146	844993	72.124	ug/l	98
88) 1,4-Dichlorobenzene	14.34	146	888137	74.055	ug/l	99
89) n-Butylbenzene	14.60	91	1456894	67.369	ug/l	96
90) Hexachloroethane	14.81	117	487061	72.066	ug/l	86
91) 1,2-Dichlorobenzene	14.61	146	644798	66.569	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.18	75	92113	77.776	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.75	180	683819	77.633	ug/l	95
94) Hexachlorobutadiene	15.84	225	468715	70.433	ug/l	98
95) Naphthalene	15.93	128	1004886	74.853	ug/l	100
96) 1,2,3-Trichlorobenzene	16.08	180	593323	78.705	ug/l	96

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

