

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110819\
 Data File : VD064163.D
 Acq On : 08 Nov 2019 19:14
 Operator : VA/SY
 Sample : VD1108SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1108SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/13/2019 11:15:05 AM

Quant Time: Nov 11 08:32:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 11 08:23:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	826200	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1182890	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1015097	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	490599	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	358977	52.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.66%	
35) Dibromofluoromethane	7.92	113	347669	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	
50) Toluene-d8	10.34	98	1337645	52.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.44%	
62) 4-Bromofluorobenzene	12.64	95	447929	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	128200	18.709	ug/l	95
3) Chloromethane	2.21	50	156392	21.278	ug/l	96
4) Vinyl Chloride	2.36	62	157743	20.070	ug/l	97
5) Bromomethane	2.76	94	104299	21.015	ug/l	97
6) Chloroethane	2.93	64	104160	20.740	ug/l	95
7) Trichlorofluoromethane	3.27	101	262435	20.594	ug/l	98
8) Diethyl Ether	3.71	74	69346	19.791	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	140054	19.229	ug/l	98
10) Methyl Iodide	4.30	142	140984	18.300	ug/l	98
11) Tert butyl alcohol	5.26	59	49932	105.208	ug/l	98
12) 1,1-Dichloroethene	4.06	96	136114	19.606	ug/l	93
13) Acrolein	3.93	56	33748	84.055	ug/l	95
14) Allyl chloride	4.71	41	236808	19.292	ug/l	96
15) Acrylonitrile	5.43	53	153770	102.944	ug/l	98
16) Acetone	4.17	43	140120	87.045	ug/l	93
17) Carbon Disulfide	4.40	76	420817	19.464	ug/l	99
18) Methyl Acetate	4.73	43	96281	21.415	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	328042	19.793	ug/l	97
20) Methylene Chloride	4.97	84	173914	21.388	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	153846	19.560	ug/l	96
22) Diisopropyl ether	6.37	45	453499	19.912	ug/l	97
23) Vinyl Acetate	6.31	43	1294891	101.998	ug/l	100
24) 1,1-Dichloroethane	6.27	63	261745	19.794	ug/l	99
25) 2-Butanone	7.23	43	204811	98.481	ug/l	99
26) 2,2-Dichloropropane	7.21	77	250217	19.295	ug/l	99
27) cis-1,2-Dichloroethene	7.22	96	166202	19.704	ug/l	99
28) Bromochloromethane	7.55	49	78450	17.040	ug/l	98
29) Tetrahydrofuran	7.57	42	131415	105.172	ug/l	98
30) Chloroform	7.71	83	269809	19.947	ug/l	95
31) Cyclohexane	7.98	56	252068	18.901	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	256222	19.782	ug/l	99
36) 1,1-Dichloropropene	8.11	75	213088	19.519	ug/l	100
37) Ethyl Acetate	7.30	43	93121	20.233	ug/l	99
38) Carbon Tetrachloride	8.10	117	225245	19.282	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	258735	18.730	ug/l	99
40) Benzene	8.36	78	581118	19.477	ug/l	99
41) Methacrylonitrile	7.53	41	61160	21.143	ug/l	94
42) 1,2-Dichloroethane	8.43	62	175939	19.634	ug/l	99
43) Isopropyl Acetate	8.46	43	193458	20.401	ug/l	99
44) Trichloroethene	9.11	130	175610	19.610	ug/l	97
45) 1,2-Dichloropropane	9.39	63	142540	19.628	ug/l	94
46) Dibromomethane	9.48	93	76612	19.706	ug/l	98
47) Bromodichloromethane	9.67	83	204374	19.516	ug/l	97
48) Methyl methacrylate	9.46	41	91388	19.709	ug/l	96
49) 1,4-Dioxane	9.47	88	18071	387.020	ug/l #	94
51) 4-Methyl-2-Pentanone	10.23	43	465598	102.388	ug/l	99
52) Toluene	10.40	92	377316	19.232	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	205803	19.616	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	236811	19.343	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	104812	19.873	ug/l	97
56) Ethyl methacrylate	10.67	69	145781	19.759	ug/l #	95
57) 1,3-Dichloropropane	10.95	76	182873	19.882	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	293304	98.142	ug/l	99
59) 2-Hexanone	10.99	43	326260	100.846	ug/l	99
60) Dibromochloromethane	11.14	129	140792	19.131	ug/l	98
61) 1,2-Dibromoethane	11.25	107	104597	19.800	ug/l	98
64) Tetrachloroethene	10.88	164	156057	19.989	ug/l	95
65) Chlorobenzene	11.67	112	399415	19.350	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	150077	19.121	ug/l	98
67) Ethyl Benzene	11.75	91	725372	19.427	ug/l	99
68) m/p-Xylenes	11.86	106	546440	38.181	ug/l	100
69) o-Xylene	12.18	106	261051	19.667	ug/l	97
70) Styrene	12.20	104	435792	18.809	ug/l	98
71) Bromoform	12.37	173	88758	19.870	ug/l #	96
73) Isopropylbenzene	12.48	105	690890	19.186	ug/l	100
74) N-amyl acetate	12.29	43	172154	20.245	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	109739	20.225	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	81838m	20.710	ug/l	
77) Bromobenzene	12.77	156	171129	19.561	ug/l	96
78) n-propylbenzene	12.83	91	801443	19.480	ug/l	99
79) 2-Chlorotoluene	12.91	91	447758	19.277	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	564159	19.066	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	39843	20.028	ug/l	99
82) 4-Chlorotoluene	13.01	91	475079	19.609	ug/l	99
83) tert-Butylbenzene	13.23	119	511355	19.599	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	562707	19.263	ug/l	100
85) sec-Butylbenzene	13.41	105	674324	19.243	ug/l	99
86) p-Isopropyltoluene	13.52	119	631229	18.947	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	307703	18.948	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	311532	19.656	ug/l	98
89) n-Butylbenzene	13.85	91	567154	18.843	ug/l	100
90) Hexachloroethane	14.12	117	118151	19.190	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	263582	19.176	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	20702	21.339	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	199619	18.826	ug/l	97
94) Hexachlorobutadiene	15.27	225	128796	18.806	ug/l	99
95) Naphthalene	15.41	128	345830	19.897	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	174891	19.404	ug/l	99

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

