

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111819\
 Data File : VD064257.D
 Acq On : 18 Nov 2019 11:42
 Operator : VA/SY
 Sample : VD1118SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1118SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/20/2019 1:11:45 PM

Quant Time: Nov 19 04:49:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	658959	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	938286	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	797981	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	385956	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	264953	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
35) Dibromofluoromethane	7.92	113	272366	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
50) Toluene-d8	10.34	98	1042833	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	
62) 4-Bromofluorobenzene	12.64	95	339384	48.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	102135	18.688	ug/l	97
3) Chloromethane	2.21	50	119775	20.432	ug/l	99
4) Vinyl Chloride	2.35	62	137596	21.949	ug/l	97
5) Bromomethane	2.76	94	92790	23.441	ug/l	100
6) Chloroethane	2.92	64	92924	23.198	ug/l	97
7) Trichlorofluoromethane	3.27	101	245613	24.166	ug/l	98
8) Diethyl Ether	3.70	74	53011	18.969	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	117429	20.215	ug/l	98
10) Methyl Iodide	4.29	142	108127	17.675	ug/l	99
11) Tert butyl alcohol	5.25	59	30386	80.273	ug/l	95
12) 1,1-Dichloroethene	4.06	96	109121	19.707	ug/l	99
13) Acrolein	3.92	56	22689	70.853	ug/l	96
14) Allyl chloride	4.70	41	179389	18.324	ug/l	95
15) Acrylonitrile	5.43	53	111806	93.847	ug/l	99
16) Acetone	4.17	43	93867	73.111	ug/l	97
17) Carbon Disulfide	4.40	76	324312	18.808	ug/l	100
18) Methyl Acetate	4.72	43	61783	17.229	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	239712	18.135	ug/l	96
20) Methylene Chloride	4.96	84	117750	18.156	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	122453	19.520	ug/l	90
22) Diisopropyl ether	6.37	45	328166	18.066	ug/l	99
23) Vinyl Acetate	6.31	43	935869	92.427	ug/l	99
24) 1,1-Dichloroethane	6.26	63	203775	19.321	ug/l	98
25) 2-Butanone	7.22	43	138656	83.592	ug/l	97
26) 2,2-Dichloropropane	7.21	77	196032	18.953	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	132169	19.646	ug/l	97
28) Bromochloromethane	7.54	49	57379	15.626	ug/l	98
29) Tetrahydrofuran	7.57	42	89411	89.717	ug/l	100
30) Chloroform	7.71	83	217446	20.155	ug/l	99
31) Cyclohexane	7.98	56	200322	18.833	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	200179	19.378	ug/l	99
36) 1,1-Dichloropropene	8.11	75	166670	19.247	ug/l	99
37) Ethyl Acetate	7.30	43	63454	17.381	ug/l	99
38) Carbon Tetrachloride	8.09	117	179437	19.365	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	209824	19.149	ug/l	95
40) Benzene	8.35	78	452306	19.111	ug/l	98
41) Methacrylonitrile	7.53	41	33249	14.491	ug/l #	85
42) 1,2-Dichloroethane	8.43	62	130025	18.293	ug/l	98
43) Isopropyl Acetate	8.46	43	129193	17.176	ug/l	96
44) Trichloroethene	9.11	130	137671	19.382	ug/l	99
45) 1,2-Dichloropropane	9.39	63	109146	18.947	ug/l	93
46) Dibromomethane	9.48	93	57858	18.761	ug/l	99
47) Bromodichloromethane	9.67	83	160423	19.312	ug/l	99
48) Methyl methacrylate	9.46	41	65122	17.706	ug/l	98
49) 1,4-Dioxane	9.47	88	14266	385.179	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	308025	85.395	ug/l	100
52) Toluene	10.41	92	296797	19.071	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	151413	18.194	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	176139	18.138	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	78092	18.667	ug/l	93
56) Ethyl methacrylate	10.67	69	103494	17.685	ug/l	96
57) 1,3-Dichloropropane	10.95	76	136576	18.719	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	209248	88.269	ug/l	99
59) 2-Hexanone	10.99	43	213308	83.121	ug/l	99
60) Dibromochloromethane	11.14	129	107055	18.339	ug/l	99
61) 1,2-Dibromoethane	11.25	107	76559	18.271	ug/l	97
64) Tetrachloroethene	10.88	164	119433	19.460	ug/l	95
65) Chlorobenzene	11.67	112	311117	19.173	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	116723	18.917	ug/l	98
67) Ethyl Benzene	11.75	91	574441	19.571	ug/l	100
68) m/p-Xylenes	11.86	106	433334	38.516	ug/l	99
69) o-Xylene	12.18	106	200361	19.202	ug/l	98
70) Styrene	12.20	104	342843	18.823	ug/l	98
71) Bromoform	12.37	173	65798	18.738	ug/l #	100
73) Isopropylbenzene	12.48	105	555227	19.599	ug/l	100
74) N-amyl acetate	12.30	43	116340	17.391	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	80879	18.947	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	54245m	17.449	ug/l	
77) Bromobenzene	12.77	156	133474	19.394	ug/l	99
78) n-propylbenzene	12.83	91	633467	19.572	ug/l	99
79) 2-Chlorotoluene	12.91	91	350574	19.185	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	452481	19.438	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	26641	17.023	ug/l	99
82) 4-Chlorotoluene	13.01	91	363951	19.095	ug/l	100
83) tert-Butylbenzene	13.23	119	388713	18.938	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	445438	19.383	ug/l	98
85) sec-Butylbenzene	13.41	105	536402	19.457	ug/l	100
86) p-Isopropyltoluene	13.53	119	510727	19.487	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	244592	19.145	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	237533	19.050	ug/l	97
89) n-Butylbenzene	13.85	91	460109	19.431	ug/l	99
90) Hexachloroethane	14.12	117	92182	19.031	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	208546	19.286	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	13448	17.620	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	161170	19.321	ug/l	100
94) Hexachlorobutadiene	15.28	225	104506	19.397	ug/l	99
95) Naphthalene	15.41	128	260471	19.049	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	133765	18.865	ug/l	99

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

