

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111519\
 Data File : VD064220.D
 Acq On : 15 Nov 2019 11:45
 Operator : VA/SY
 Sample : VD1115SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1115SBS01

Manual Integrations
 APPROVED

MMDADODA
 11/19/2019 12:23:16 PM

Quant Time: Nov 16 05:38:26 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	671692	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	953123	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	822899	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	399062	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	271092	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
35) Dibromofluoromethane	7.91	113	267949	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
50) Toluene-d8	10.34	98	1026273	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	
62) 4-Bromofluorobenzene	12.64	95	339450	47.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	108169	19.417	ug/l	98
3) Chloromethane	2.21	50	126274	21.132	ug/l	97
4) Vinyl Chloride	2.35	62	146029	22.853	ug/l	97
5) Bromomethane	2.76	94	94049	23.309	ug/l	100
6) Chloroethane	2.92	64	95169	23.308	ug/l	97
7) Trichlorofluoromethane	3.27	101	251128	24.240	ug/l	99
8) Diethyl Ether	3.71	74	56616	19.875	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.08	101	117905	19.912	ug/l	98
10) Methyl Iodide	4.29	142	118803	18.893	ug/l	99
11) Tert butyl alcohol	5.26	59	40920	106.053	ug/l #	86
12) 1,1-Dichloroethene	4.06	96	112405	19.916	ug/l	93
13) Acrolein	3.93	56	27259	83.510	ug/l	98
14) Allyl chloride	4.70	41	190097	19.049	ug/l	96
15) Acrylonitrile	5.43	53	127845	105.275	ug/l	100
16) Acetone	4.16	43	105844	80.877	ug/l	94
17) Carbon Disulfide	4.40	76	336356	19.136	ug/l	99
18) Methyl Acetate	4.73	43	76765	21.001	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	270436	20.071	ug/l	95
20) Methylene Chloride	4.96	84	135726	20.531	ug/l	97
21) trans-1,2-Dichloroethene	5.46	96	126910	19.847	ug/l	93
22) Diisopropyl ether	6.37	45	360554	19.473	ug/l	98
23) Vinyl Acetate	6.31	43	1054590	102.178	ug/l	99
24) 1,1-Dichloroethane	6.26	63	213687	19.876	ug/l	99
25) 2-Butanone	7.23	43	167475	99.052	ug/l	98
26) 2,2-Dichloropropane	7.20	77	207669	19.697	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	139220	20.302	ug/l	96
28) Bromochloromethane	7.55	49	62631	16.733	ug/l	100
29) Tetrahydrofuran	7.57	42	108554	106.860	ug/l	99
30) Chloroform	7.71	83	232394	21.133	ug/l	98
31) Cyclohexane	7.98	56	209405	19.314	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	210050	19.948	ug/l	99
36) 1,1-Dichloropropene	8.11	75	172061	19.560	ug/l	99
37) Ethyl Acetate	7.30	43	75989	20.491	ug/l #	90
38) Carbon Tetrachloride	8.10	117	185238	19.680	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	217096	19.504	ug/l	98
40) Benzene	8.35	78	477281	19.853	ug/l	98
41) Methacrylonitrile	7.53	41	46899	20.121	ug/l	96
42) 1,2-Dichloroethane	8.43	62	144524	20.016	ug/l	100
43) Isopropyl Acetate	8.46	43	153387	20.075	ug/l	99
44) Trichloroethene	9.11	130	142514	19.751	ug/l	98
45) 1,2-Dichloropropane	9.39	63	114863	19.630	ug/l	97
46) Dibromomethane	9.48	93	63721	20.341	ug/l	99
47) Bromodichloromethane	9.66	83	168198	19.933	ug/l	99
48) Methyl methacrylate	9.46	41	72730	19.466	ug/l	97
49) 1,4-Dioxane	9.47	88	16052	426.654	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	377006	102.892	ug/l	99
52) Toluene	10.40	92	311417	19.699	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	163028	19.285	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	195039	19.771	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	85303	20.073	ug/l	99
56) Ethyl methacrylate	10.66	69	118909	20.002	ug/l	96
57) 1,3-Dichloropropane	10.95	76	152593	20.589	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	235166	97.658	ug/l	99
59) 2-Hexanone	10.99	43	262421	100.668	ug/l	99
60) Dibromochloromethane	11.14	129	118716	20.020	ug/l	99
61) 1,2-Dibromoethane	11.25	107	88508	20.794	ug/l	99
64) Tetrachloroethene	10.88	164	125629	19.850	ug/l	97
65) Chlorobenzene	11.67	112	327970	19.599	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	125080	19.658	ug/l	100
67) Ethyl Benzene	11.75	91	608621	20.107	ug/l	100
68) m/p-Xylenes	11.86	106	453077	39.052	ug/l	100
69) o-Xylene	12.18	106	208815	19.406	ug/l	99
70) Styrene	12.20	104	365625	19.466	ug/l	100
71) Bromoform	12.37	173	75754	20.920	ug/l #	100
73) Isopropylbenzene	12.48	105	586271	20.015	ug/l	99
74) N-amyl acetate	12.29	43	138690	20.051	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	94389	21.386	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	68917m	21.441	ug/l	
77) Bromobenzene	12.77	156	141811	19.928	ug/l	99
78) n-propylbenzene	12.83	91	668772	19.984	ug/l	99
79) 2-Chlorotoluene	12.91	91	368247	19.490	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	468654	19.472	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	31236	19.303	ug/l	96
82) 4-Chlorotoluene	13.01	91	390333	19.807	ug/l	100
83) tert-Butylbenzene	13.23	119	419219	19.753	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	464985	19.569	ug/l	100
85) sec-Butylbenzene	13.41	105	564385	19.800	ug/l	99
86) p-Isopropyltoluene	13.52	119	533838	19.699	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	260352	19.710	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	257442	19.969	ug/l	98
89) n-Butylbenzene	13.85	91	483951	19.767	ug/l	99
90) Hexachloroethane	14.12	117	94918	18.953	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	227269	20.327	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	16177	20.500	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	174285	20.207	ug/l	99
94) Hexachlorobutadiene	15.27	225	111892	20.085	ug/l	99
95) Naphthalene	15.41	128	299096	21.155	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	146157	19.936	ug/l	99

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

