

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112019\
 Data File : VD064308.D
 Acq On : 20 Nov 2019 12:41
 Operator : VA/SY
 Sample : VD1120SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1120SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/22/2019 12:52:15 AM

Quant Time: Nov 20 13:13:39 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	580154	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	831453	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	730170	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	355150	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	228050	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	
35) Dibromofluoromethane	7.92	113	236092	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	
50) Toluene-d8	10.34	98	880789	48.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.84%	
62) 4-Bromofluorobenzene	12.64	95	286205	45.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	89456	18.592	ug/l	96
3) Chloromethane	2.21	50	111206	21.547	ug/l	99
4) Vinyl Chloride	2.35	62	128961	23.366	ug/l	100
5) Bromomethane	2.76	94	94914m	27.234	ug/l	
6) Chloroethane	2.92	64	92620	26.263	ug/l	100
7) Trichlorofluoromethane	3.27	101	230134	25.719	ug/l	99
8) Diethyl Ether	3.70	74	51411	20.896	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	105593	20.646	ug/l	98
10) Methyl Iodide	4.29	142	103462	19.033	ug/l	99
11) Tert butyl alcohol	5.26	59	31574	94.742	ug/l	95
12) 1,1-Dichloroethene	4.06	96	98057	20.115	ug/l	94
13) Acrolein	3.93	56	20548	72.883	ug/l	97
14) Allyl chloride	4.71	41	158665	18.408	ug/l	93
15) Acrylonitrile	5.43	53	114722	109.375	ug/l	98
16) Acetone	4.17	43	96102	85.019	ug/l	95
17) Carbon Disulfide	4.40	76	289273	19.054	ug/l	97
18) Methyl Acetate	4.73	43	63571	20.136	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	233372	20.053	ug/l	91
20) Methylene Chloride	4.96	84	117674	20.609	ug/l	90
21) trans-1,2-Dichloroethene	5.47	96	111286	20.149	ug/l	95
22) Diisopropyl ether	6.37	45	311426	19.473	ug/l	99
23) Vinyl Acetate	6.31	43	912790	102.393	ug/l	98
24) 1,1-Dichloroethane	6.26	63	187426	20.184	ug/l	97
25) 2-Butanone	7.23	43	139728	95.681	ug/l	93
26) 2,2-Dichloropropane	7.20	77	169942	18.662	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	124733	21.059	ug/l	94
28) Bromochloromethane	7.55	49	54662	16.909	ug/l	97
29) Tetrahydrofuran	7.57	42	89373	101.860	ug/l	96
30) Chloroform	7.71	83	203098	21.383	ug/l	97
31) Cyclohexane	7.99	56	178245	19.034	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	182255	20.039	ug/l	99
36) 1,1-Dichloropropene	8.11	75	152221	19.837	ug/l	99
37) Ethyl Acetate	7.30	43	65276	20.178	ug/l	97
38) Carbon Tetrachloride	8.10	117	165769	20.189	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	186983	19.257	ug/l	95
40) Benzene	8.35	78	422843	20.162	ug/l	97
41) Methacrylonitrile	7.53	41	40670	20.002	ug/l	93
42) 1,2-Dichloroethane	8.43	62	128030	20.326	ug/l	97
43) Isopropyl Acetate	8.46	43	129279	19.395	ug/l	99
44) Trichloroethene	9.11	130	131190	20.842	ug/l	98
45) 1,2-Dichloropropane	9.39	63	104592	20.490	ug/l	97
46) Dibromomethane	9.48	93	56904	20.823	ug/l	99
47) Bromodichloromethane	9.67	83	151566	20.590	ug/l	100
48) Methyl methacrylate	9.46	41	59702	18.318	ug/l	89
49) 1,4-Dioxane	9.47	88	14362	437.595	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	319781	100.045	ug/l	98
52) Toluene	10.41	92	281039	20.379	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	145113	19.678	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	170878	19.857	ug/l	94
55) 1,1,2-Trichloroethane	10.81	97	81807	22.067	ug/l	97
56) Ethyl methacrylate	10.67	69	102543	19.774	ug/l	96
57) 1,3-Dichloropropane	10.95	76	136602	21.128	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	220989	105.200	ug/l	100
59) 2-Hexanone	10.99	43	219712	96.618	ug/l	96
60) Dibromochloromethane	11.14	129	107455	20.773	ug/l	100
61) 1,2-Dibromoethane	11.26	107	78507	21.143	ug/l	99
64) Tetrachloroethene	10.88	164	111482	19.852	ug/l	98
65) Chlorobenzene	11.67	112	302515	20.374	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	111758	19.795	ug/l	97
67) Ethyl Benzene	11.75	91	535278	19.930	ug/l	98
68) m/p-Xylenes	11.86	106	412150	40.036	ug/l	97
69) o-Xylene	12.18	106	192808	20.194	ug/l	96
70) Styrene	12.20	104	327516	19.652	ug/l	99
71) Bromoform	12.37	173	67125	20.891	ug/l #	98
73) Isopropylbenzene	12.48	105	527315	20.228	ug/l	100
74) N-amyl acetate	12.30	43	115782	18.808	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	84427	21.494	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	69568m	24.319	ug/l	
77) Bromobenzene	12.77	156	128265	20.253	ug/l	99
78) n-propylbenzene	12.83	91	592776	19.903	ug/l	98
79) 2-Chlorotoluene	12.91	91	328171	19.517	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	418921	19.557	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	27207	18.892	ug/l	99
82) 4-Chlorotoluene	13.01	91	342339	19.520	ug/l	98
83) tert-Butylbenzene	13.23	119	375439	19.877	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	417045	19.721	ug/l	100
85) sec-Butylbenzene	13.41	105	508542	20.047	ug/l	99
86) p-Isopropyltoluene	13.53	119	472420	19.589	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	240810	20.484	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	234753	20.460	ug/l	97
89) n-Butylbenzene	13.86	91	426654	19.582	ug/l	100
90) Hexachloroethane	14.12	117	87447	19.620	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	209215	21.026	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	14496	20.641	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	150822	19.649	ug/l	96
94) Hexachlorobutadiene	15.28	225	101190	20.410	ug/l	100
95) Naphthalene	15.41	128	264900	21.053	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	134404	20.599	ug/l	99

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

