

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120619\
 Data File : VD064452.D
 Acq On : 06 Dec 2019 12:06
 Operator : VA/SY
 Sample : VD1206SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1206SBS01

Manual Integrations
 APPROVED

apatel
 12/9/2019 2:03:51 PM

Quant Time: Dec 07 00:25:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	493994	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	716101	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	637323	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	308693	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	217764	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
35) Dibromofluoromethane	7.92	113	228142	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
50) Toluene-d8	10.34	98	869296	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	
62) 4-Bromofluorobenzene	12.64	95	275472	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	93360	20.858	ug/l	100
3) Chloromethane	2.21	50	115991	20.546	ug/l	97
4) Vinyl Chloride	2.35	62	136361	20.919	ug/l	97
5) Bromomethane	2.76	94	92286	19.145	ug/l	93
6) Chloroethane	2.92	64	90189	20.700	ug/l	95
7) Trichlorofluoromethane	3.27	101	232433	21.449	ug/l	94
8) Diethyl Ether	3.70	74	44689	19.846	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	97160	20.911	ug/l	98
10) Methyl Iodide	4.29	142	98541	20.083	ug/l	97
11) Tert butyl alcohol	5.26	59	25808	90.674	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	93558	21.012	ug/l	97
13) Acrolein	3.93	56	33884	87.280	ug/l	99
14) Allyl chloride	4.71	41	141981	20.432	ug/l	99
15) Acrylonitrile	5.43	53	91376	92.797	ug/l	98
16) Acetone	4.16	43	80450	89.035	ug/l	96
17) Carbon Disulfide	4.40	76	292476	20.740	ug/l	97
18) Methyl Acetate	4.73	43	50894	19.310	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	198392	19.424	ug/l	97
20) Methylene Chloride	4.97	84	107850	20.903	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	106563	21.158	ug/l	94
22) Diisopropyl ether	6.37	45	270160	19.694	ug/l	98
23) Vinyl Acetate	6.31	43	769705	95.176	ug/l	98
24) 1,1-Dichloroethane	6.27	63	169664	20.566	ug/l	98
25) 2-Butanone	7.22	43	115434	90.335	ug/l	98
26) 2,2-Dichloropropane	7.21	77	157134	21.902	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	112027	20.402	ug/l	99
28) Bromochloromethane	7.55	49	46802	16.600	ug/l	97
29) Tetrahydrofuran	7.57	42	73334	90.203	ug/l	96
30) Chloroform	7.71	83	172062	20.138	ug/l	94
31) Cyclohexane	7.98	56	166411	20.387	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	165375	20.878	ug/l	98
36) 1,1-Dichloropropene	8.11	75	136815	20.199	ug/l	98
37) Ethyl Acetate	7.30	43	53347	18.562	ug/l	97
38) Carbon Tetrachloride	8.10	117	149272	20.881	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	176930	21.058	ug/l	100
40) Benzene	8.36	78	383067	20.362	ug/l	99
41) Methacrylonitrile	7.54	41	31087	18.861	ug/l #	84
42) 1,2-Dichloroethane	8.43	62	109400	19.941	ug/l	100
43) Isopropyl Acetate	8.46	43	108642	19.225	ug/l	99
44) Trichloroethene	9.11	130	116158	20.498	ug/l	98
45) 1,2-Dichloropropane	9.39	63	92141	20.480	ug/l	98
46) Dibromomethane	9.47	93	50108	19.733	ug/l	99
47) Bromodichloromethane	9.66	83	131407	20.140	ug/l	97
48) Methyl methacrylate	9.46	41	48836	18.886	ug/l	98
49) 1,4-Dioxane	9.46	88	11798	376.252	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	262008	93.707	ug/l	99
52) Toluene	10.40	92	248999	20.310	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	122458	19.693	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	147444	19.960	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	66402	19.097	ug/l	96
56) Ethyl methacrylate	10.66	69	85195	19.211	ug/l	98
57) 1,3-Dichloropropane	10.95	76	119655	20.216	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	179653	101.622	ug/l	100
59) 2-Hexanone	10.98	43	176948	91.203	ug/l	98
60) Dibromochloromethane	11.14	129	91765	19.465	ug/l	97
61) 1,2-Dibromoethane	11.24	107	66192	19.066	ug/l	98
64) Tetrachloroethene	10.87	164	99209	20.413	ug/l	98
65) Chlorobenzene	11.67	112	268360	20.189	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	100756	20.476	ug/l	98
67) Ethyl Benzene	11.74	91	478152	20.218	ug/l	99
68) m/p-Xylenes	11.86	106	362500	40.199	ug/l	100
69) o-Xylene	12.18	106	163781	19.666	ug/l	97
70) Styrene	12.20	104	288221	19.915	ug/l	100
71) Bromoform	12.36	173	54535	18.524	ug/l #	99
73) Isopropylbenzene	12.48	105	454535	20.473	ug/l	100
74) N-amyl acetate	12.29	43	94565	18.767	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	70084	19.089	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	50720m	19.980	ug/l	
77) Bromobenzene	12.77	156	111599	20.355	ug/l	99
78) n-propylbenzene	12.83	91	540247	21.090	ug/l	98
79) 2-Chlorotoluene	12.91	91	285801	20.276	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	373811	20.604	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	22484	19.313	ug/l	93
82) 4-Chlorotoluene	13.01	91	304295	20.390	ug/l	99
83) tert-Butylbenzene	13.23	119	334466	21.205	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	368851	20.218	ug/l	99
85) sec-Butylbenzene	13.41	105	447074	20.652	ug/l	99
86) p-Isopropyltoluene	13.52	119	418963	20.499	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	206712	19.865	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	203723	19.830	ug/l	98
89) n-Butylbenzene	13.85	91	378338	20.384	ug/l	99
90) Hexachloroethane	14.12	117	77631	20.308	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	176056	19.797	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11265	17.705	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	134244	19.711	ug/l	98
94) Hexachlorobutadiene	15.28	225	83362	19.827	ug/l	97
95) Naphthalene	15.41	128	212317	18.680	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	114083	19.623	ug/l	98

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

