

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122319\
 Data File : VD064561.D
 Acq On : 23 Dec 2019 11:47
 Operator : VA/SY
 Sample : VD1223SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1223SBS01

Manual Integrations
 APPROVED

apatel
 12/24/2019 11:04:05 AM

Quant Time: Dec 24 06:02:57 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	406640	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	592767	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	532328	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	264620	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	184510	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
35) Dibromofluoromethane	7.91	113	193442	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	
50) Toluene-d8	10.34	98	715997	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	
62) 4-Bromofluorobenzene	12.64	95	231381	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	73941	20.068	ug/l	100
3) Chloromethane	2.21	50	98335	21.160	ug/l	98
4) Vinyl Chloride	2.35	62	118320	22.051	ug/l	97
5) Bromomethane	2.76	94	79707	20.087	ug/l	96
6) Chloroethane	2.92	64	78414	21.864	ug/l	98
7) Trichlorofluoromethane	3.27	101	202481	22.699	ug/l	100
8) Diethyl Ether	3.71	74	37615	20.293	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	83876	21.930	ug/l	98
10) Methyl Iodide	4.30	142	81048	20.066	ug/l	99
11) Tert butyl alcohol	5.24	59	25439	108.577	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	78206	21.337	ug/l	94
13) Acrolein	3.92	56	24044	75.238	ug/l	95
14) Allyl chloride	4.70	41	123601	21.608	ug/l	99
15) Acrylonitrile	5.43	53	79597	98.200	ug/l	98
16) Acetone	4.17	43	72247	97.133	ug/l	97
17) Carbon Disulfide	4.40	76	234852	20.231	ug/l	98
18) Methyl Acetate	4.72	43	42691	19.677	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	169402	20.149	ug/l	98
20) Methylene Chloride	4.96	84	92554	22.000	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	88425	21.328	ug/l	94
22) Diisopropyl ether	6.37	45	240051	21.258	ug/l	95
23) Vinyl Acetate	6.31	43	675379	101.452	ug/l	100
24) 1,1-Dichloroethane	6.27	63	149219	21.973	ug/l	98
25) 2-Butanone	7.22	43	100773	95.803	ug/l	98
26) 2,2-Dichloropropane	7.21	77	140418	23.776	ug/l	95
27) cis-1,2-Dichloroethene	7.21	96	94564	20.921	ug/l	94
28) Bromochloromethane	7.55	49	39572	17.051	ug/l	98
29) Tetrahydrofuran	7.57	42	64344	96.146	ug/l	97
30) Chloroform	7.71	83	152542	21.689	ug/l	96
31) Cyclohexane	7.98	56	142924	21.490	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	146798	22.513	ug/l	99
36) 1,1-Dichloropropene	8.11	75	123507	22.028	ug/l	98
37) Ethyl Acetate	7.30	43	45485	19.119	ug/l	99
38) Carbon Tetrachloride	8.10	117	133435	22.549	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	147864	21.260	ug/l	94
40) Benzene	8.35	78	332975	21.382	ug/l	100
41) Methacrylonitrile	7.53	41	22757	16.680	ug/l #	79
42) 1,2-Dichloroethane	8.43	62	97463	21.461	ug/l	99
43) Isopropyl Acetate	8.46	43	92630	19.802	ug/l	99
44) Trichloroethene	9.11	130	100264	21.375	ug/l	92
45) 1,2-Dichloropropane	9.39	63	81711	21.940	ug/l	94
46) Dibromomethane	9.47	93	42619	20.276	ug/l	99
47) Bromodichloromethane	9.67	83	117556	21.766	ug/l	97
48) Methyl methacrylate	9.46	41	40049	18.710	ug/l	99
49) 1,4-Dioxane	9.47	88	10110	389.504	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	225244	97.319	ug/l	99
52) Toluene	10.40	92	213802	21.067	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	108750	21.128	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	131449	21.497	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	59755	20.761	ug/l	99
56) Ethyl methacrylate	10.66	69	71759	19.548	ug/l	98
57) 1,3-Dichloropropane	10.95	76	102771	20.976	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	167989	114.795	ug/l	99
59) 2-Hexanone	10.98	43	151591	94.391	ug/l	99
60) Dibromochloromethane	11.14	129	80828	20.712	ug/l	99
61) 1,2-Dibromoethane	11.25	107	56070	19.511	ug/l	97
64) Tetrachloroethene	10.88	164	84663	20.856	ug/l	96
65) Chlorobenzene	11.67	112	234035	21.079	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	85779	20.870	ug/l	99
67) Ethyl Benzene	11.75	91	416248	21.071	ug/l	98
68) m/p-Xylenes	11.86	106	318813	42.328	ug/l	100
69) o-Xylene	12.18	106	144892	20.829	ug/l	99
70) Styrene	12.20	104	251040	20.767	ug/l	98
71) Bromoform	12.37	173	48743	19.822	ug/l #	99
73) Isopropylbenzene	12.48	105	399316	20.982	ug/l	99
74) N-amyl acetate	12.30	43	80749	18.694	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	62809	19.957	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	37961m	17.444	ug/l	
77) Bromobenzene	12.77	156	95953	20.416	ug/l	97
78) n-propylbenzene	12.83	91	465468	21.197	ug/l	99
79) 2-Chlorotoluene	12.91	91	251085	20.780	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	324233	20.847	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	20760	20.802	ug/l	93
82) 4-Chlorotoluene	13.01	91	272822	21.326	ug/l	99
83) tert-Butylbenzene	13.23	119	288438	21.332	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	324695	20.762	ug/l	99
85) sec-Butylbenzene	13.41	105	394999	21.285	ug/l	99
86) p-Isopropyltoluene	13.53	119	374163	21.356	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	182016	20.405	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	183509	20.837	ug/l	99
89) n-Butylbenzene	13.85	91	337645	21.222	ug/l	98
90) Hexachloroethane	14.12	117	73712	22.495	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	156666	20.551	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10326	19.265	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	120249	20.597	ug/l	98
94) Hexachlorobutadiene	15.28	225	76214	21.146	ug/l	97
95) Naphthalene	15.41	128	180054	18.480	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	98211	19.707	ug/l	99

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

