

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121119\
 Data File : VD064496.D
 Acq On : 11 Dec 2019 12:53
 Operator : VA/SY
 Sample : VD1211SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBS01

Manual Integrations
 APPROVED

apatel
 12/12/2019 10:29:06 AM

Quant Time: Dec 12 03:15:30 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	432996	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	635583	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	569423	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	287379	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	207224	52.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.74%	
35) Dibromofluoromethane	7.92	113	213904	53.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.84%	
50) Toluene-d8	10.34	98	813830	53.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.90%	
62) 4-Bromofluorobenzene	12.63	95	256758	52.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	80883	20.616	ug/l	93
3) Chloromethane	2.21	50	102184	20.650	ug/l	100
4) Vinyl Chloride	2.35	62	124946	21.868	ug/l	97
5) Bromomethane	2.76	94	86361	20.439	ug/l	91
6) Chloroethane	2.92	64	83351	21.826	ug/l	98
7) Trichlorofluoromethane	3.27	101	206982	21.792	ug/l	97
8) Diethyl Ether	3.71	74	40374	20.456	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	88299	21.681	ug/l	97
10) Methyl Iodide	4.29	142	93610	21.766	ug/l	98
11) Tert butyl alcohol	5.25	59	23869	95.675	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	83231	21.326	ug/l	96
13) Acrolein	3.92	56	27829	81.781	ug/l	91
14) Allyl chloride	4.71	41	124960	20.516	ug/l	98
15) Acrylonitrile	5.43	53	85611	99.190	ug/l	98
16) Acetone	4.17	43	75769	95.668	ug/l	90
17) Carbon Disulfide	4.40	76	258194	20.888	ug/l	98
18) Methyl Acetate	4.73	43	46579	20.162	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	182252	20.358	ug/l	99
20) Methylene Chloride	4.97	84	100405	22.505	ug/l	85
21) trans-1,2-Dichloroethene	5.47	96	92508	20.955	ug/l	95
22) Diisopropyl ether	6.37	45	249736	20.770	ug/l	98
23) Vinyl Acetate	6.31	43	715209	100.896	ug/l	99
24) 1,1-Dichloroethane	6.27	63	154955	21.429	ug/l	97
25) 2-Butanone	7.22	43	108797	97.135	ug/l	100
26) 2,2-Dichloropropane	7.21	77	135750	21.587	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	103783	21.563	ug/l	97
28) Bromochloromethane	7.55	49	39954	16.168	ug/l	100
29) Tetrahydrofuran	7.57	42	68263	95.794	ug/l	98
30) Chloroform	7.71	83	160451	21.425	ug/l	97
31) Cyclohexane	7.98	56	147106	20.604	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	147149	21.194	ug/l	99
36) 1,1-Dichloropropene	8.11	75	127825	21.263	ug/l	99
37) Ethyl Acetate	7.31	43	49181	19.280	ug/l	96
38) Carbon Tetrachloride	8.10	117	138849	21.883	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	153640	20.603	ug/l	96
40) Benzene	8.35	78	351492	21.051	ug/l	97
41) Methacrylonitrile	7.53	41	29934	20.462	ug/l	91
42) 1,2-Dichloroethane	8.43	62	101088	20.760	ug/l	99
43) Isopropyl Acetate	8.46	43	96824	19.305	ug/l	98
44) Trichloroethene	9.11	130	105273	20.931	ug/l	96
45) 1,2-Dichloropropane	9.38	63	86600	21.687	ug/l #	88
46) Dibromomethane	9.48	93	46984	20.847	ug/l	99
47) Bromodichloromethane	9.66	83	126285	21.807	ug/l	95
48) Methyl methacrylate	9.46	41	46143	20.105	ug/l	94
49) 1,4-Dioxane	9.47	88	10843	389.602	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	244371	98.471	ug/l	100
52) Toluene	10.40	92	232627	21.378	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	114488	20.744	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	139867	21.333	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	62725	20.325	ug/l	97
56) Ethyl methacrylate	10.66	69	78761	20.010	ug/l	99
57) 1,3-Dichloropropane	10.94	76	108574	20.668	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	167929	107.024	ug/l	100
59) 2-Hexanone	10.98	43	163512	94.955	ug/l	100
60) Dibromochloromethane	11.14	129	87560	20.926	ug/l	100
61) 1,2-Dibromoethane	11.24	107	60618	19.673	ug/l	100
64) Tetrachloroethene	10.88	164	90789	20.908	ug/l	97
65) Chlorobenzene	11.67	112	241779	20.358	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	92526	21.046	ug/l	98
67) Ethyl Benzene	11.74	91	433770	20.528	ug/l	99
68) m/p-Xylenes	11.86	106	336036	41.708	ug/l	100
69) o-Xylene	12.18	106	151570	20.370	ug/l	99
70) Styrene	12.20	104	263813	20.402	ug/l	100
71) Bromoform	12.36	173	52578	19.989	ug/l #	97
73) Isopropylbenzene	12.48	105	419854	20.314	ug/l	99
74) N-amyl acetate	12.29	43	86756	18.494	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	66900	19.573	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	46640m	19.735	ug/l	
77) Bromobenzene	12.76	156	103920	20.360	ug/l	99
78) n-propylbenzene	12.82	91	488755	20.495	ug/l	98
79) 2-Chlorotoluene	12.91	91	263478	20.079	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	341385	20.212	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	20975	19.353	ug/l	97
82) 4-Chlorotoluene	13.01	91	280919	20.220	ug/l	99
83) tert-Butylbenzene	13.23	119	291311	19.839	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	342104	20.143	ug/l	100
85) sec-Butylbenzene	13.40	105	409643	20.326	ug/l	99
86) p-Isopropyltoluene	13.52	119	386653	20.322	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	194096	20.036	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	193999	20.284	ug/l	99
89) n-Butylbenzene	13.85	91	349453	20.225	ug/l	99
90) Hexachloroethane	14.12	117	75231	21.140	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	165513	19.992	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11661	20.224	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	126092	19.887	ug/l	99
94) Hexachlorobutadiene	15.28	225	77509	19.802	ug/l	98
95) Naphthalene	15.41	128	195986	18.522	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	105779	19.544	ug/l	99

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

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