

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120419\
 Data File : VD064412.D
 Acq On : 04 Dec 2019 12:57
 Operator : VA/SY
 Sample : VD1204SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

Manual Integrations
 APPROVED

apatel
 12/5/2019 2:59:04 PM

Quant Time: Dec 05 05:54:58 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	510027	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	741301	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	646836	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	302676	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	248714	53.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.76%	
35) Dibromofluoromethane	7.91	113	252083	53.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.94%	
50) Toluene-d8	10.34	98	962319	54.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.40%	
62) 4-Bromofluorobenzene	12.64	95	303193	53.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	102174	22.109	ug/l	97
3) Chloromethane	2.21	50	127379	21.853	ug/l	98
4) Vinyl Chloride	2.35	62	144078	21.408	ug/l	95
5) Bromomethane	2.76	94	95379	19.164	ug/l	95
6) Chloroethane	2.92	64	95314	21.189	ug/l	100
7) Trichlorofluoromethane	3.27	101	247723	22.142	ug/l	98
8) Diethyl Ether	3.71	74	47908	20.607	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	104879	21.863	ug/l	97
10) Methyl Iodide	4.30	142	101929	20.121	ug/l	97
11) Tert butyl alcohol	5.25	59	30197	102.759	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	103154	22.439	ug/l	95
13) Acrolein	3.93	56	38848	96.920	ug/l	96
14) Allyl chloride	4.71	41	159023	22.165	ug/l	99
15) Acrylonitrile	5.43	53	106620	104.874	ug/l	97
16) Acetone	4.17	43	96890	103.859	ug/l	99
17) Carbon Disulfide	4.40	76	323386	22.211	ug/l	99
18) Methyl Acetate	4.73	43	61620	22.644	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	220395	20.900	ug/l	99
20) Methylene Chloride	4.96	84	111780	21.003	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	112789	21.690	ug/l	91
22) Diisopropyl ether	6.37	45	305680	21.583	ug/l #	96
23) Vinyl Acetate	6.31	43	875969	104.910	ug/l	98
24) 1,1-Dichloroethane	6.27	63	187129	21.970	ug/l	98
25) 2-Butanone	7.23	43	134669	102.075	ug/l	100
26) 2,2-Dichloropropane	7.21	77	166848	22.525	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	121626	21.454	ug/l	99
28) Bromochloromethane	7.55	49	49138	16.881	ug/l	98
29) Tetrahydrofuran	7.57	42	85386	101.725	ug/l	98
30) Chloroform	7.71	83	191932	21.758	ug/l	99
31) Cyclohexane	7.98	56	182074	21.907	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	177157	21.662	ug/l	99
36) 1,1-Dichloropropene	8.11	75	154680	22.060	ug/l	99
37) Ethyl Acetate	7.30	43	61442	20.651	ug/l	98
38) Carbon Tetrachloride	8.10	117	162517	21.961	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	192493	22.132	ug/l	97
40) Benzene	8.36	78	423229	21.733	ug/l	99
41) Methacrylonitrile	7.53	41	34353	20.134	ug/l	88
42) 1,2-Dichloroethane	8.43	62	120302	21.183	ug/l	99
43) Isopropyl Acetate	8.46	43	123290	21.076	ug/l	98
44) Trichloroethene	9.11	130	128498	21.905	ug/l	97
45) 1,2-Dichloropropane	9.39	63	98329	21.112	ug/l	97
46) Dibromomethane	9.48	93	54731	20.821	ug/l	98
47) Bromodichloromethane	9.66	83	146576	21.701	ug/l	97
48) Methyl methacrylate	9.46	41	55231	20.633	ug/l	97
49) 1,4-Dioxane	9.47	88	13821	425.784	ug/l #	91
51) 4-Methyl-2-Pentanone	10.23	43	297083	102.639	ug/l	99
52) Toluene	10.40	92	268008	21.117	ug/l	97
53) t-1,3-Dichloropropene	10.62	75	135942	21.119	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	164102	21.460	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	74485	20.694	ug/l	96
56) Ethyl methacrylate	10.67	69	93444	20.355	ug/l	97
57) 1,3-Dichloropropane	10.95	76	129178	21.083	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	189744	103.681	ug/l	100
59) 2-Hexanone	10.99	43	208593	103.859	ug/l	99
60) Dibromochloromethane	11.14	129	99844	20.459	ug/l	97
61) 1,2-Dibromoethane	11.25	107	75184	20.920	ug/l	98
64) Tetrachloroethene	10.88	164	108481	21.993	ug/l	94
65) Chlorobenzene	11.67	112	292171	21.657	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	108340	21.693	ug/l	98
67) Ethyl Benzene	11.75	91	515265	21.466	ug/l	99
68) m/p-Xylenes	11.86	106	395566	43.221	ug/l	100
69) o-Xylene	12.18	106	183318	21.688	ug/l	100
70) Styrene	12.20	104	313749	21.360	ug/l	100
71) Bromoform	12.37	173	59145	19.795	ug/l #	99
73) Isopropylbenzene	12.48	105	494953	22.737	ug/l	98
74) N-amyl acetate	12.30	43	105048	21.262	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	79496	22.083	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	51591m	20.727	ug/l	
77) Bromobenzene	12.77	156	121638	22.627	ug/l	99
78) n-propylbenzene	12.83	91	573926	22.850	ug/l	99
79) 2-Chlorotoluene	12.91	91	315768	22.848	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	400395	22.508	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	25512	22.349	ug/l	96
82) 4-Chlorotoluene	13.01	91	326877	22.338	ug/l	99
83) tert-Butylbenzene	13.23	119	349960	22.628	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	401975	22.472	ug/l	98
85) sec-Butylbenzene	13.41	105	478628	22.549	ug/l	100
86) p-Isopropyltoluene	13.53	119	450339	22.473	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	228907	22.435	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	223241	22.162	ug/l	99
89) n-Butylbenzene	13.86	91	414532	22.779	ug/l	99
90) Hexachloroethane	14.12	117	84150	22.451	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	196181	22.499	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	14803	25.361	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	148128	22.182	ug/l	99
94) Hexachlorobutadiene	15.28	225	91586	22.216	ug/l	99
95) Naphthalene	15.41	128	243382	21.838	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	127790	22.418	ug/l	100

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

