

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120619\
 Data File : VD064451.D
 Acq On : 06 Dec 2019 11:38
 Operator : VA/SY
 Sample : VD1206SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1206SBS01

Manual Integrations
 APPROVED

apatel
 12/9/2019 2:03:46 PM

Quant Time: Dec 06 22:49:33 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	508288	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	733761	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	642805	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	313083	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	213222	46.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.70%	
35) Dibromofluoromethane	7.91	113	225432	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	
50) Toluene-d8	10.34	98	862373	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	
62) 4-Bromofluorobenzene	12.64	95	268747	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	98413	21.368	ug/l	99
3) Chloromethane	2.21	50	124324	21.402	ug/l	99
4) Vinyl Chloride	2.35	62	144318	21.517	ug/l	99
5) Bromomethane	2.76	94	95082	19.170	ug/l	93
6) Chloroethane	2.93	64	94093	20.989	ug/l	99
7) Trichlorofluoromethane	3.27	101	243585	21.846	ug/l	97
8) Diethyl Ether	3.70	74	47331	20.428	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	102568	21.454	ug/l	98
10) Methyl Iodide	4.30	142	105183	20.834	ug/l	94
11) Tert butyl alcohol	5.24	59	27518	93.963	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	101818	22.224	ug/l	96
13) Acrolein	3.92	56	34869	87.291	ug/l	98
14) Allyl chloride	4.71	41	156076	21.829	ug/l	98
15) Acrylonitrile	5.43	53	97366	96.099	ug/l	99
16) Acetone	4.16	43	92551	99.547	ug/l	97
17) Carbon Disulfide	4.40	76	312286	21.522	ug/l	97
18) Methyl Acetate	4.72	43	52898	19.506	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	215027	20.461	ug/l	100
20) Methylene Chloride	4.96	84	112445	21.246	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	110123	21.250	ug/l	96
22) Diisopropyl ether	6.37	45	291373	20.643	ug/l	96
23) Vinyl Acetate	6.31	43	827668	99.465	ug/l	100
24) 1,1-Dichloroethane	6.26	63	179538	21.151	ug/l	97
25) 2-Butanone	7.22	43	122162	92.912	ug/l	98
26) 2,2-Dichloropropane	7.20	77	165627	22.436	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	116968	20.703	ug/l	98
28) Bromochloromethane	7.55	49	40945	14.114	ug/l	96
29) Tetrahydrofuran	7.57	42	75316	90.035	ug/l	97
30) Chloroform	7.71	83	185420	21.092	ug/l	99
31) Cyclohexane	7.98	56	178914	21.529	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	173909	21.338	ug/l	100
36) 1,1-Dichloropropene	8.11	75	153531	22.121	ug/l	98
37) Ethyl Acetate	7.30	43	59173	20.093	ug/l	100
38) Carbon Tetrachloride	8.09	117	160155	21.864	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	188236	21.864	ug/l	98
40) Benzene	8.35	78	406853	21.106	ug/l	98
41) Methacrylonitrile	7.53	41	29168	17.271	ug/l #	83
42) 1,2-Dichloroethane	8.43	62	114860	20.432	ug/l	100
43) Isopropyl Acetate	8.45	43	112752	19.473	ug/l	100
44) Trichloroethene	9.11	130	123986	21.353	ug/l	97
45) 1,2-Dichloropropane	9.39	63	96071	20.839	ug/l	98
46) Dibromomethane	9.48	93	52621	20.224	ug/l	98
47) Bromodichloromethane	9.66	83	140539	21.021	ug/l	98
48) Methyl methacrylate	9.46	41	57838	21.829	ug/l	87
49) 1,4-Dioxane	9.47	88	12675	394.492	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	278633	97.254	ug/l	100
52) Toluene	10.40	92	268554	21.377	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	129457	20.318	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	155738	20.575	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	71804	20.154	ug/l	98
56) Ethyl methacrylate	10.66	69	90339	19.880	ug/l	99
57) 1,3-Dichloropropane	10.95	76	122689	20.230	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	182321	100.649	ug/l	100
59) 2-Hexanone	10.98	43	187557	94.345	ug/l	100
60) Dibromochloromethane	11.14	129	96995	20.079	ug/l	98
61) 1,2-Dibromoethane	11.25	107	69329	19.489	ug/l	100
64) Tetrachloroethene	10.88	164	104962	21.413	ug/l	99
65) Chlorobenzene	11.67	112	283050	21.112	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	105140	21.185	ug/l	98
67) Ethyl Benzene	11.75	91	507313	21.268	ug/l	99
68) m/p-Xylenes	11.86	106	391625	43.058	ug/l	99
69) o-Xylene	12.18	106	177184	21.093	ug/l	100
70) Styrene	12.20	104	303074	20.763	ug/l	100
71) Bromoform	12.36	173	57463	19.352	ug/l #	99
73) Isopropylbenzene	12.48	105	479284	21.285	ug/l	99
74) N-amyl acetate	12.29	43	98327	19.240	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	73346	19.697	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	53055m	20.606	ug/l	
77) Bromobenzene	12.76	156	119801	21.545	ug/l	99
78) n-propylbenzene	12.83	91	565664	21.773	ug/l	100
79) 2-Chlorotoluene	12.91	91	306465	21.438	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	399376	21.704	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	24441	20.699	ug/l	97
82) 4-Chlorotoluene	13.01	91	322625	21.315	ug/l	99
83) tert-Butylbenzene	13.23	119	347716	21.736	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	385544	20.837	ug/l	99
85) sec-Butylbenzene	13.41	105	472903	21.539	ug/l	99
86) p-Isopropyltoluene	13.52	119	438273	21.143	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	217185	20.579	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	215643	20.696	ug/l	99
89) n-Butylbenzene	13.85	91	406001	21.568	ug/l	99
90) Hexachloroethane	14.12	117	82587	21.302	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	186921	20.724	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11893	18.626	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	140004	20.268	ug/l	98
94) Hexachlorobutadiene	15.28	225	90272	21.169	ug/l	98
95) Naphthalene	15.41	128	226913	19.684	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	122422	20.762	ug/l	100

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

