

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122619\
 Data File : VD064615.D
 Acq On : 27 Dec 2019 00:09
 Operator : VA/SY
 Sample : VD1226SBS02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1226SBS02

Manual Integrations
 APPROVED

apatel
 12/27/2019 2:07:17 PM

Quant Time: Dec 27 05:54:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	356827	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	556407	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	506199	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	244741	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	186962	59.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.84%	
35) Dibromofluoromethane	7.92	113	184823	54.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.28%	
50) Toluene-d8	10.34	98	699132	53.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.96%	
62) 4-Bromofluorobenzene	12.64	95	224466	54.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	54921	19.805	ug/l	97
3) Chloromethane	2.21	50	85920	22.154	ug/l	97
4) Vinyl Chloride	2.35	62	95106	20.112	ug/l	98
5) Bromomethane	2.76	94	79509	23.125	ug/l	93
6) Chloroethane	2.92	64	68638	21.663	ug/l	98
7) Trichlorofluoromethane	3.27	101	163885	20.583	ug/l	97
8) Diethyl Ether	3.71	74	36074	22.816	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.09	101	68293	20.711	ug/l	97
10) Methyl Iodide	4.30	142	72313	20.416	ug/l	100
11) Tert butyl alcohol	5.26	59	21270	117.954	ug/l #	70
12) 1,1-Dichloroethene	4.06	96	65251	20.785	ug/l	95
13) Acrolein	3.92	56	26168	104.126	ug/l	98
14) Allyl chloride	4.71	41	110015	22.477	ug/l	96
15) Acrylonitrile	5.43	53	77885	118.262	ug/l	99
16) Acetone	4.16	43	65569	94.603	ug/l	96
17) Carbon Disulfide	4.40	76	209969	20.685	ug/l	99
18) Methyl Acetate	4.73	43	44509	25.126	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	162021	23.236	ug/l	100
20) Methylene Chloride	4.96	84	83595	23.375	ug/l	91
21) trans-1,2-Dichloroethene	5.47	96	77919	21.794	ug/l	96
22) Diisopropyl ether	6.37	45	229226	23.480	ug/l	99
23) Vinyl Acetate	6.31	43	625929	113.025	ug/l	97
24) 1,1-Dichloroethane	6.27	63	136722	23.328	ug/l	99
25) 2-Butanone	7.23	43	99538	115.088	ug/l	100
26) 2,2-Dichloropropane	7.21	77	106565	19.556	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	86279	22.361	ug/l	99
28) Bromochloromethane	7.55	49	49689	21.810	ug/l	100
29) Tetrahydrofuran	7.57	42	62568	116.329	ug/l	99
30) Chloroform	7.71	83	141922	23.080	ug/l	100
31) Cyclohexane	7.98	56	116098	19.789	ug/l #	93
32) 1,1,1-Trichloroethane	7.90	97	123153	21.323	ug/l	99
36) 1,1-Dichloropropene	8.11	75	102952	19.224	ug/l	98
37) Ethyl Acetate	7.30	43	46222	21.970	ug/l	96
38) Carbon Tetrachloride	8.10	117	108608	19.019	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	121021	18.658	ug/l	97
40) Benzene	8.36	78	307106	21.006	ug/l	100
41) Methacrylonitrile	7.53	41	29640	24.282	ug/l	97
42) 1,2-Dichloroethane	8.43	62	93217	22.065	ug/l	99
43) Isopropyl Acetate	8.46	43	91147	21.766	ug/l	98
44) Trichloroethene	9.11	130	87004	20.258	ug/l	98
45) 1,2-Dichloropropane	9.39	63	75722	21.693	ug/l	93
46) Dibromomethane	9.48	93	42285	21.728	ug/l	94
47) Bromodichloromethane	9.66	83	112414	21.707	ug/l	99
48) Methyl methacrylate	9.46	41	40666	20.624	ug/l #	86
49) 1,4-Dioxane	9.47	88	9988	445.090	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	224723	108.570	ug/l	99
52) Toluene	10.40	92	193528	20.177	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	100923	20.903	ug/l	93
54) cis-1,3-Dichloropropene	10.09	75	122005	21.430	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	56418	21.511	ug/l	95
56) Ethyl methacrylate	10.66	69	72173	22.034	ug/l	99
57) 1,3-Dichloropropane	10.95	76	101121	22.392	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	146306	117.238	ug/l	99
59) 2-Hexanone	10.99	43	150247	106.950	ug/l	100
60) Dibromochloromethane	11.14	129	79198	21.836	ug/l	99
61) 1,2-Dibromoethane	11.25	107	57846	22.361	ug/l	98
64) Tetrachloroethene	10.88	164	79346	20.432	ug/l	98
65) Chlorobenzene	11.67	112	212572	20.233	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	82429	20.812	ug/l	99
67) Ethyl Benzene	11.75	91	370114	19.409	ug/l	97
68) m/p-Xylenes	11.86	106	284609	38.668	ug/l	100
69) o-Xylene	12.18	106	132225	19.889	ug/l	100
70) Styrene	12.20	104	234710	20.113	ug/l	99
71) Bromoform	12.36	173	48190	21.336	ug/l #	95
73) Isopropylbenzene	12.48	105	347446	19.866	ug/l	99
74) N-amyl acetate	12.29	43	80631	21.567	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	62414	22.717	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	44308m	22.926	ug/l	
77) Bromobenzene	12.76	156	95481	22.218	ug/l	96
78) n-propylbenzene	12.83	91	409538	20.071	ug/l	98
79) 2-Chlorotoluene	12.91	91	232136	20.710	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	288898	20.108	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	18508	20.029	ug/l	94
82) 4-Chlorotoluene	13.01	91	246250	20.644	ug/l	99
83) tert-Butylbenzene	13.23	119	248455	19.918	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	293675	20.524	ug/l	100
85) sec-Butylbenzene	13.41	105	332311	19.432	ug/l	99
86) p-Isopropyltoluene	13.52	119	318210	19.460	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	166966	20.380	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	170306	21.161	ug/l	99
89) n-Butylbenzene	13.85	91	288152	19.568	ug/l	98
90) Hexachloroethane	14.12	117	64756	20.731	ug/l	93
91) 1,2-Dichlorobenzene	13.90	146	148264	21.224	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	9469	21.260	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	105988	20.605	ug/l	100
94) Hexachlorobutadiene	15.28	225	61764	19.082	ug/l	98
95) Naphthalene	15.41	128	174541	21.449	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	91958	20.942	ug/l	99

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

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