

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD123019\
 Data File : VD064674.D
 Acq On : 30 Dec 2019 13:14
 Operator : VA/SY
 Sample : VD1230SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1230SBS01

Manual Integrations
 APPROVED

apatel
 12/31/2019 11:47:30 AM

Quant Time: Dec 31 07:36:23 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	410052	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	596595	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	531194	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	257119	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	193856	53.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.22%	
35) Dibromofluoromethane	7.91	113	194740	53.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.40%	
50) Toluene-d8	10.34	98	752176	53.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.32%	
62) 4-Bromofluorobenzene	12.64	95	236924	53.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	65437	20.534	ug/l	98
3) Chloromethane	2.21	50	93742	21.034	ug/l	98
4) Vinyl Chloride	2.35	62	116056	21.357	ug/l	98
5) Bromomethane	2.76	94	83989	21.257	ug/l	97
6) Chloroethane	2.92	64	78301	21.505	ug/l	100
7) Trichlorofluoromethane	3.27	101	193931	21.195	ug/l	95
8) Diethyl Ether	3.70	74	37837	20.825	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.08	101	81702	21.561	ug/l	99
10) Methyl Iodide	4.30	142	82333	20.228	ug/l	99
11) Tert butyl alcohol	5.25	59	18429	88.933	ug/l #	70
12) 1,1-Dichloroethene	4.06	96	77109	21.374	ug/l	90
13) Acrolein	3.92	56	25744	89.143	ug/l	100
14) Allyl chloride	4.71	41	118871	21.134	ug/l	99
15) Acrylonitrile	5.43	53	74651	98.639	ug/l	98
16) Acetone	4.16	43	81756	102.652	ug/l	90
17) Carbon Disulfide	4.40	76	242614	20.798	ug/l	97
18) Methyl Acetate	4.72	43	41316	20.296	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	161591	20.166	ug/l	95
20) Methylene Chloride	4.96	84	88533	21.118	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	86231	20.989	ug/l	97
22) Diisopropyl ether	6.37	45	236507	21.081	ug/l	98
23) Vinyl Acetate	6.31	43	651094	102.308	ug/l	99
24) 1,1-Dichloroethane	6.26	63	143078	21.244	ug/l	98
25) 2-Butanone	7.22	43	104919	105.564	ug/l	99
26) 2,2-Dichloropropane	7.21	77	133660	21.345	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	92950	20.963	ug/l	100
28) Bromochloromethane	7.54	49	51601	19.709	ug/l	100
29) Tetrahydrofuran	7.57	42	61358	99.272	ug/l	99
30) Chloroform	7.71	83	148585	21.028	ug/l	97
31) Cyclohexane	7.99	56	141204	20.945	ug/l #	91
32) 1,1,1-Trichloroethane	7.90	97	141601	21.335	ug/l	100
36) 1,1-Dichloropropene	8.11	75	122094	21.263	ug/l	98
37) Ethyl Acetate	7.30	43	46182	20.472	ug/l	99
38) Carbon Tetrachloride	8.09	117	130340	21.287	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	147171	21.161	ug/l	98
40) Benzene	8.35	78	325723	20.779	ug/l	96
41) Methacrylonitrile	7.53	41	22736	17.371	ug/l #	79
42) 1,2-Dichloroethane	8.43	62	92567	20.435	ug/l	100
43) Isopropyl Acetate	8.46	43	89399	19.910	ug/l	98
44) Trichloroethene	9.11	130	95332	20.702	ug/l	97
45) 1,2-Dichloropropane	9.39	63	81027	21.649	ug/l	97
46) Dibromomethane	9.47	93	43208	20.706	ug/l	99
47) Bromodichloromethane	9.66	83	114018	20.534	ug/l	97
48) Methyl methacrylate	9.46	41	40811	19.304	ug/l #	86
49) 1,4-Dioxane	9.46	88	9700	403.138	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	222583	100.293	ug/l	100
52) Toluene	10.40	92	213053	20.716	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	108243	20.909	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	126726	20.760	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	59836	21.277	ug/l	98
56) Ethyl methacrylate	10.66	69	70059	19.948	ug/l	100
57) 1,3-Dichloropropane	10.95	76	99321	20.512	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	145345	108.623	ug/l	99
59) 2-Hexanone	10.98	43	155189	103.026	ug/l	98
60) Dibromochloromethane	11.14	129	79688	20.491	ug/l	99
61) 1,2-Dibromoethane	11.25	107	56024	20.198	ug/l	98
64) Tetrachloroethene	10.88	164	83324	20.446	ug/l	98
65) Chlorobenzene	11.67	112	226922	20.583	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	85589	20.593	ug/l	99
67) Ethyl Benzene	11.75	91	405524	20.265	ug/l	96
68) m/p-Xylenes	11.86	106	313174	40.547	ug/l	98
69) o-Xylene	12.18	106	142146	20.375	ug/l	99
70) Styrene	12.20	104	246172	20.103	ug/l	99
71) Bromoform	12.37	173	47596	20.081	ug/l #	98
73) Isopropylbenzene	12.48	105	391519	21.308	ug/l	100
74) N-amyl acetate	12.30	43	81748	20.813	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	62106	21.517	ug/l	95
76) 1,2,3-Trichloropropane	12.79	75	45798m	22.556	ug/l	
77) Bromobenzene	12.77	156	95004	21.043	ug/l	99
78) n-propylbenzene	12.83	91	456239	21.284	ug/l	100
79) 2-Chlorotoluene	12.91	91	249418	21.181	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	322160	21.344	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	19193	19.771	ug/l	95
82) 4-Chlorotoluene	13.01	91	262357	20.936	ug/l	100
83) tert-Butylbenzene	13.23	119	273404	20.863	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	318309	21.175	ug/l	99
85) sec-Butylbenzene	13.41	105	384625	21.408	ug/l	98
86) p-Isopropyltoluene	13.53	119	361934	21.068	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	178841	20.779	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	176291	20.850	ug/l	99
89) n-Butylbenzene	13.86	91	331227	21.410	ug/l	98
90) Hexachloroethane	14.12	117	70073	21.354	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	153027	20.851	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9783	20.907	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	109945	20.346	ug/l	99
94) Hexachlorobutadiene	15.28	225	69246	20.364	ug/l	96
95) Naphthalene	15.41	128	172525	20.181	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	94848	20.560	ug/l	98

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

