

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121319\
 Data File : VD064508.D
 Acq On : 13 Dec 2019 15:54
 Operator : VA/SY
 Sample : VD1213SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBS01

Manual Integrations
 APPROVED

apatel
 12/16/2019 12:15:54 PM

Quant Time: Dec 14 00:22:23 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	429909	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	630944	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	565598	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	279015	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	190439	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	
35) Dibromofluoromethane	7.91	113	192724	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	
50) Toluene-d8	10.34	98	717479	47.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.82%	
62) 4-Bromofluorobenzene	12.64	95	228718	47.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	80596	20.690	ug/l	93
3) Chloromethane	2.21	50	106574	21.692	ug/l	98
4) Vinyl Chloride	2.35	62	125229	22.075	ug/l	99
5) Bromomethane	2.76	94	84510	20.145	ug/l	96
6) Chloroethane	2.92	64	81738	21.557	ug/l	100
7) Trichlorofluoromethane	3.27	101	215598	22.862	ug/l	99
8) Diethyl Ether	3.70	74	39797	20.308	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.08	101	89385	22.106	ug/l	97
10) Methyl Iodide	4.29	142	85156	19.942	ug/l	99
11) Tert butyl alcohol	5.25	59	23807	96.112	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	83214	21.475	ug/l	98
13) Acrolein	3.92	56	29426	87.095	ug/l	99
14) Allyl chloride	4.71	41	127287	21.048	ug/l	98
15) Acrylonitrile	5.43	53	90596	105.720	ug/l	98
16) Acetone	4.17	43	82976	105.520	ug/l	99
17) Carbon Disulfide	4.40	76	256613	20.909	ug/l	98
18) Methyl Acetate	4.72	43	49481	21.572	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	182112	20.488	ug/l	97
20) Methylene Chloride	4.96	84	96069	21.511	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	95342	21.752	ug/l	98
22) Diisopropyl ether	6.37	45	248479	20.814	ug/l	96
23) Vinyl Acetate	6.31	43	734664	104.384	ug/l	98
24) 1,1-Dichloroethane	6.26	63	155339	21.636	ug/l	98
25) 2-Butanone	7.22	43	114706	103.146	ug/l	97
26) 2,2-Dichloropropane	7.21	77	135263	21.664	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	99472	20.816	ug/l	99
28) Bromochloromethane	7.55	49	39848	16.241	ug/l	98
29) Tetrahydrofuran	7.57	42	73544	103.946	ug/l	97
30) Chloroform	7.71	83	159934	21.509	ug/l	99
31) Cyclohexane	7.98	56	148960	21.114	ug/l #	93
32) 1,1,1-Trichloroethane	7.90	97	149211	21.645	ug/l	99
36) 1,1-Dichloropropene	8.11	75	128212	21.484	ug/l	99
37) Ethyl Acetate	7.30	43	50043	19.762	ug/l #	95
38) Carbon Tetrachloride	8.10	117	138044	21.917	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	157938	21.335	ug/l	95
40) Benzene	8.35	78	346321	20.894	ug/l	97
41) Methacrylonitrile	7.54	41	33711m	23.213	ug/l	
42) 1,2-Dichloroethane	8.43	62	101436	20.985	ug/l	98
43) Isopropyl Acetate	8.46	43	104211	20.930	ug/l	99
44) Trichloroethene	9.11	130	103654	20.760	ug/l	96
45) 1,2-Dichloropropane	9.39	63	83577	21.083	ug/l	93
46) Dibromomethane	9.47	93	47116	21.059	ug/l	98
47) Bromodichloromethane	9.66	83	122525	21.313	ug/l #	96
48) Methyl methacrylate	9.46	41	47044	20.648	ug/l	95
49) 1,4-Dioxane	9.47	88	11424	413.496	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	258797	105.051	ug/l	99
52) Toluene	10.40	92	225674	20.891	ug/l	97
53) t-1,3-Dichloropropene	10.62	75	116143	21.199	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	136744	21.010	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	65027	21.226	ug/l	95
56) Ethyl methacrylate	10.66	69	79625	20.378	ug/l	98
57) 1,3-Dichloropropane	10.95	76	107557	20.625	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	172412	110.689	ug/l	100
59) 2-Hexanone	10.98	43	177724	103.967	ug/l	99
60) Dibromochloromethane	11.14	129	87508	21.067	ug/l	98
61) 1,2-Dibromoethane	11.25	107	63863	20.878	ug/l	96
64) Tetrachloroethene	10.87	164	91135	21.130	ug/l	96
65) Chlorobenzene	11.67	112	242812	20.583	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	88907	20.359	ug/l	96
67) Ethyl Benzene	11.74	91	430279	20.500	ug/l	98
68) m/p-Xylenes	11.86	106	331648	41.442	ug/l	99
69) o-Xylene	12.18	106	154024	20.839	ug/l	97
70) Styrene	12.20	104	261817	20.385	ug/l	99
71) Bromoform	12.36	173	53899	20.630	ug/l #	99
73) Isopropylbenzene	12.48	105	420850	20.972	ug/l	99
74) N-amyl acetate	12.29	43	89656	19.685	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	69366	20.903	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	41217m	17.963	ug/l	
77) Bromobenzene	12.77	156	101700	20.523	ug/l	99
78) n-propylbenzene	12.83	91	484321	20.918	ug/l	99
79) 2-Chlorotoluene	12.91	91	263709	20.699	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	334417	20.393	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	22329	21.220	ug/l	95
82) 4-Chlorotoluene	13.01	91	277697	20.587	ug/l	100
83) tert-Butylbenzene	13.23	119	298274	20.922	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	338093	20.504	ug/l	100
85) sec-Butylbenzene	13.41	105	401626	20.526	ug/l	99
86) p-Isopropyltoluene	13.53	119	375060	20.303	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	193561	20.580	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	190425	20.507	ug/l	99
89) n-Butylbenzene	13.85	91	343724	20.489	ug/l	99
90) Hexachloroethane	14.12	117	73091	21.154	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	165984	20.650	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11203	19.962	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	122667	19.927	ug/l	99
94) Hexachlorobutadiene	15.28	225	75470	19.859	ug/l	98
95) Naphthalene	15.41	128	201365	19.601	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	108079	20.568	ug/l	100

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

