

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD123119\
 Data File : VD064686.D
 Acq On : 31 Dec 2019 10:58
 Operator : VA/SY
 Sample : VD1231SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1231SBS01

Manual Integrations
 APPROVED

apatel
 1/2/2020 10:42:55 AM

Quant Time: Jan 01 06:03:36 2020
 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	371963	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	535176	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	457410	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	220825	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	156661	47.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.52%	
35) Dibromofluoromethane	7.91	113	158673	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	
50) Toluene-d8	10.34	98	618300	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
62) 4-Bromofluorobenzene	12.64	95	188793	47.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	52470	18.151	ug/l	94
3) Chloromethane	2.21	50	79125	19.572	ug/l	97
4) Vinyl Chloride	2.35	62	95790	19.433	ug/l	97
5) Bromomethane	2.77	94	68521	19.118	ug/l	99
6) Chloroethane	2.92	64	66203	20.044	ug/l	96
7) Trichlorofluoromethane	3.27	101	156036	18.800	ug/l	98
8) Diethyl Ether	3.70	74	30950	18.778	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	65980	19.195	ug/l	99
10) Methyl Iodide	4.29	142	65995	17.874	ug/l	98
11) Tert butyl alcohol	5.26	59	16020	85.225	ug/l #	70
12) 1,1-Dichloroethene	4.05	96	63793	19.494	ug/l	97
13) Acrolein	3.91	56	20161	76.959	ug/l	100
14) Allyl chloride	4.71	41	99574	19.516	ug/l	99
15) Acrylonitrile	5.43	53	61927	90.205	ug/l	98
16) Acetone	4.16	43	64365	89.119	ug/l	98
17) Carbon Disulfide	4.40	76	200892	18.985	ug/l	99
18) Methyl Acetate	4.71	43	33309	18.038	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	133157	18.319	ug/l	95
20) Methylene Chloride	4.96	84	74860	19.317	ug/l	97
21) trans-1,2-Dichloroethene	5.46	96	73273	19.661	ug/l	97
22) Diisopropyl ether	6.36	45	193789	19.042	ug/l #	98
23) Vinyl Acetate	6.31	43	509934	88.332	ug/l	98
24) 1,1-Dichloroethane	6.26	63	124746	20.419	ug/l	98
25) 2-Butanone	7.22	43	78699	87.291	ug/l	98
26) 2,2-Dichloropropane	7.20	77	113152	19.920	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	77644	19.304	ug/l	97
28) Bromochloromethane	7.54	49	44347	18.673	ug/l	98
29) Tetrahydrofuran	7.56	42	47720	85.113	ug/l	99
30) Chloroform	7.71	83	127794	19.937	ug/l	93
31) Cyclohexane	7.98	56	112912	18.463	ug/l #	91
32) 1,1,1-Trichloroethane	7.90	97	119313	19.818	ug/l	99
36) 1,1-Dichloropropene	8.11	75	98711	19.163	ug/l	98
37) Ethyl Acetate	7.30	43	37793	18.676	ug/l	99
38) Carbon Tetrachloride	8.10	117	108900	19.827	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	112377	18.012	ug/l	99
40) Benzene	8.35	78	271634	19.317	ug/l	100
41) Methacrylonitrile	7.52	41	16818	14.324	ug/l #	72
42) 1,2-Dichloroethane	8.42	62	78274	19.263	ug/l	99
43) Isopropyl Acetate	8.45	43	69054	17.144	ug/l	98
44) Trichloroethene	9.11	130	80470	19.480	ug/l	95
45) 1,2-Dichloropropane	9.38	63	66277	19.740	ug/l	99
46) Dibromomethane	9.48	93	33484	17.888	ug/l	92
47) Bromodichloromethane	9.66	83	94932	19.059	ug/l	98
48) Methyl methacrylate	9.46	41	31764	16.749	ug/l	87
49) 1,4-Dioxane	9.47	88	7378	341.825	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	169744	85.262	ug/l	100
52) Toluene	10.40	92	182118	19.740	ug/l	96
53) t-1,3-Dichloropropene	10.62	75	86610	18.650	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	105622	19.289	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	45308	17.960	ug/l	94
56) Ethyl methacrylate	10.66	69	55722	17.687	ug/l	97
57) 1,3-Dichloropropane	10.94	76	80206	18.465	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	109459	91.191	ug/l	99
59) 2-Hexanone	10.98	43	112621	83.347	ug/l	99
60) Dibromochloromethane	11.14	129	63340	18.157	ug/l	100
61) 1,2-Dibromoethane	11.25	107	45469	18.274	ug/l	98
64) Tetrachloroethene	10.87	164	69052	19.678	ug/l	95
65) Chlorobenzene	11.67	112	185683	19.559	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.74	131	71602	20.007	ug/l	98
67) Ethyl Benzene	11.75	91	338131	19.623	ug/l	99
68) m/p-Xylenes	11.86	106	255582	38.428	ug/l	95
69) o-Xylene	12.18	106	118215	19.678	ug/l	100
70) Styrene	12.20	104	201452	19.105	ug/l	100
71) Bromoform	12.36	173	36989	18.123	ug/l #	100
73) Isopropylbenzene	12.48	105	318504	20.183	ug/l	99
74) N-amyl acetate	12.29	43	61678	18.284	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	47148	19.019	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	29199m	16.745	ug/l	
77) Bromobenzene	12.77	156	77544	19.998	ug/l	97
78) n-propylbenzene	12.83	91	375232	20.382	ug/l	98
79) 2-Chlorotoluene	12.91	91	207483	20.516	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	269144	20.762	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	15568	18.672	ug/l	97
82) 4-Chlorotoluene	13.01	91	218910	20.340	ug/l	100
83) tert-Butylbenzene	13.23	119	224408	19.938	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	256908	19.899	ug/l	97
85) sec-Butylbenzene	13.41	105	307746	19.944	ug/l	100
86) p-Isopropyltoluene	13.53	119	285969	19.382	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	143518	19.416	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	141837	19.533	ug/l	98
89) n-Butylbenzene	13.86	91	261956	19.716	ug/l	100
90) Hexachloroethane	14.12	117	56436	20.024	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	122761	19.476	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	7397	18.406	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	85866	18.501	ug/l	100
94) Hexachlorobutadiene	15.28	225	55356	18.954	ug/l	99
95) Naphthalene	15.41	128	126224	17.192	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	72268	18.240	ug/l	99

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

