

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD123119\
 Data File : VD064687.D
 Acq On : 31 Dec 2019 11:25
 Operator : VA/SY
 Sample : VD1231SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1231SBS01

Manual Integrations
 APPROVED

apatel
 1/2/2020 10:42:58 AM

Quant Time: Jan 01 01:13:35 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	7.99	168	364943	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	537009	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	467392	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	228164	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	178121	55.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.70%	
35) Dibromofluoromethane	7.92	113	181662	55.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.28%	
50) Toluene-d8	10.34	98	703054	55.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.44%	
62) 4-Bromofluorobenzene	12.64	95	217079	54.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	50336	17.748	ug/l	89
3) Chloromethane	2.21	50	72685	18.325	ug/l	99
4) Vinyl Chloride	2.35	62	86820	17.952	ug/l	97
5) Bromomethane	2.76	94	64272	18.278	ug/l	99
6) Chloroethane	2.92	64	59429	18.339	ug/l	92
7) Trichlorofluoromethane	3.27	101	145489	17.866	ug/l	97
8) Diethyl Ether	3.71	74	27379	16.931	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	60786	18.024	ug/l	99
10) Methyl Iodide	4.29	142	59383	16.393	ug/l	99
11) Tert butyl alcohol	5.24	59	14410	78.134	ug/l #	88
12) 1,1-Dichloroethene	4.06	96	57149	17.799	ug/l	93
13) Acrolein	3.93	56	24337	94.687	ug/l	94
14) Allyl chloride	4.70	41	90125	18.004	ug/l	99
15) Acrylonitrile	5.42	53	54204	80.474	ug/l	96
16) Acetone	4.16	43	54740	77.418	ug/l	97
17) Carbon Disulfide	4.40	76	178424	17.186	ug/l	99
18) Methyl Acetate	4.73	43	30151	16.642	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	119660	16.779	ug/l	96
20) Methylene Chloride	4.96	84	66421	16.951	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	64129	17.538	ug/l	92
22) Diisopropyl ether	6.37	45	176495	17.677	ug/l	92
23) Vinyl Acetate	6.31	43	463911	81.906	ug/l	98
24) 1,1-Dichloroethane	6.27	63	109469	18.263	ug/l	99
25) 2-Butanone	7.22	43	72507	81.970	ug/l	100
26) 2,2-Dichloropropane	7.21	77	99018	17.767	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	70856	17.955	ug/l	98
28) Bromochloromethane	7.54	49	49499	21.243	ug/l	95
29) Tetrahydrofuran	7.57	42	45101	81.989	ug/l	97
30) Chloroform	7.71	83	114385	18.188	ug/l	99
31) Cyclohexane	7.99	56	103808	17.301	ug/l #	88
32) 1,1,1-Trichloroethane	7.90	97	106757	18.073	ug/l	100
36) 1,1-Dichloropropene	8.11	75	90618	17.532	ug/l	99
37) Ethyl Acetate	7.30	43	32879	16.192	ug/l	99
38) Carbon Tetrachloride	8.09	117	99389	18.033	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	106318	16.983	ug/l	99
40) Benzene	8.36	78	245347	17.388	ug/l	97
41) Methacrylonitrile	7.53	41	21117	17.924	ug/l	95
42) 1,2-Dichloroethane	8.43	62	71607	17.562	ug/l	100
43) Isopropyl Acetate	8.46	43	63901	15.811	ug/l	98
44) Trichloroethene	9.11	130	71047	17.140	ug/l	99
45) 1,2-Dichloropropane	9.39	63	59198	17.572	ug/l	95
46) Dibromomethane	9.48	93	31449	16.743	ug/l	97
47) Bromodichloromethane	9.66	83	87334	17.473	ug/l	100
48) Methyl methacrylate	9.46	41	32637	17.150	ug/l	97
49) 1,4-Dioxane	9.47	88	6341	292.778	ug/l #	91
51) 4-Methyl-2-Pentanone	10.23	43	157402	78.793	ug/l	99
52) Toluene	10.40	92	162185	17.520	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	79975	17.163	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	94112	17.128	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	41874	16.542	ug/l	94
56) Ethyl methacrylate	10.66	69	49421	15.633	ug/l	98
57) 1,3-Dichloropropane	10.95	76	69838	16.024	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	97564	81.004	ug/l	99
59) 2-Hexanone	10.99	43	105267	77.638	ug/l	100
60) Dibromochloromethane	11.14	129	58765	16.788	ug/l	99
61) 1,2-Dibromoethane	11.25	107	40924	16.391	ug/l	98
64) Tetrachloroethene	10.88	164	63547	17.722	ug/l	97
65) Chlorobenzene	11.67	112	170941	17.622	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	63418	17.342	ug/l	96
67) Ethyl Benzene	11.75	91	302432	17.177	ug/l	98
68) m/p-Xylenes	11.86	106	232336	34.187	ug/l	98
69) o-Xylene	12.18	106	105027	17.110	ug/l	98
70) Styrene	12.20	104	180313	16.735	ug/l	98
71) Bromoform	12.36	173	35087	16.824	ug/l #	98
73) Isopropylbenzene	12.48	105	291228	17.861	ug/l	100
74) N-amyl acetate	12.30	43	56918	16.330	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	43676	17.052	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	32587m	18.087	ug/l	
77) Bromobenzene	12.77	156	70351	17.560	ug/l	99
78) n-propylbenzene	12.83	91	339328	17.839	ug/l	100
79) 2-Chlorotoluene	12.91	91	185732	17.774	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	238215	17.785	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	14715	17.081	ug/l	99
82) 4-Chlorotoluene	13.01	91	197408	17.752	ug/l	100
83) tert-Butylbenzene	13.23	119	204069	17.548	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	234869	17.607	ug/l	97
85) sec-Butylbenzene	13.41	105	284419	17.840	ug/l	100
86) p-Isopropyltoluene	13.53	119	264186	17.330	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	132113	17.298	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	131539	17.532	ug/l	99
89) n-Butylbenzene	13.86	91	245339	17.871	ug/l	99
90) Hexachloroethane	14.12	117	52176	17.917	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	112527	17.278	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	7182	17.297	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	82107	17.122	ug/l	98
94) Hexachlorobutadiene	15.28	225	52211	17.303	ug/l	98
95) Naphthalene	15.41	128	118036	15.559	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	67845	16.573	ug/l	97

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

