

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100318\
 Data File : VD060121.D
 Acq On : 3 Oct 2018 16:40
 Operator : VA/AP
 Sample : VD1003SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBS01

Manual Integrations
 APPROVED

apatel
 10/4/2018 4:45:02 PM

Quant Time: Oct 04 04:55:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1558864	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.43	114	2137673	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1748751	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	910091	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	634763	53.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.44%	
35) Dibromofluoromethane	6.30	113	878328	54.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.22%	
50) Toluene-d8	9.44	98	2424290	52.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.74%	
62) 4-Bromofluorobenzene	12.43	95	921922	53.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	284184	19.380	ug/l	99
3) Chloromethane	1.75	50	284196	21.493	ug/l	97
4) Vinyl Chloride	1.84	62	213438	19.724	ug/l	96
5) Bromomethane	2.12	94	18000	13.248	ug/l	93
6) Chloroethane	2.23	64	48558	16.444	ug/l	99
7) Trichlorofluoromethane	2.49	101	239925	18.517	ug/l	98
8) Diethyl Ether	2.81	74	54465	20.442	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.07	101	163569	20.264	ug/l	96
10) Methyl Iodide	3.22	142	137221	16.030	ug/l	96
11) Tert butyl alcohol	3.96	59	91274	107.703	ug/l	97
12) 1,1-Dichloroethene	3.05	96	129381	20.346	ug/l	98
13) Acrolein	2.97	56	53345	102.113	ug/l	97
14) Allyl chloride	3.51	41	271369	20.547	ug/l	98
15) Acrylonitrile	4.07	53	375802	107.135	ug/l	98
16) Acetone	3.15	43	262612	122.479	ug/l	98
17) Carbon Disulfide	3.29	76	428136	20.021	ug/l	100
18) Methyl Acetate	3.54	43	93101	20.202	ug/l	96
19) Methyl tert-butyl Ether	4.11	73	598623	21.411	ug/l	98
20) Methylene Chloride	3.70	84	511170	28.433	ug/l	99
21) trans-1,2-Dichloroethene	4.07	96	338816	20.630	ug/l	98
22) Diisopropyl ether	4.84	45	1259503	21.354	ug/l	96
23) Vinyl Acetate	4.79	43	3675507	110.862	ug/l	99
24) 1,1-Dichloroethane	4.73	63	560117	20.944	ug/l	99
25) 2-Butanone	5.61	43	646051	120.609	ug/l	99
26) 2,2-Dichloropropane	5.57	77	439154	21.661	ug/l	98
27) cis-1,2-Dichloroethene	5.58	96	368201	21.160	ug/l	95
28) Bromochloromethane	5.91	49	265224	20.409	ug/l	95
29) Tetrahydrofuran	5.94	42	340728	109.511	ug/l	100
30) Chloroform	6.09	83	579831	21.434	ug/l	99
31) Cyclohexane	6.35	56	524403	20.484	ug/l	99
32) 1,1,1-Trichloroethane	6.28	97	468122	21.122	ug/l	99
36) 1,1-Dichloropropene	6.51	75	434268	21.259	ug/l	98
37) Ethyl Acetate	5.68	43	287142	21.177	ug/l	99
38) Carbon Tetrachloride	6.48	117	386521	20.848	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	494135	21.290	ug/l	99
40) Benzene	6.78	78	1109814	20.767	ug/l	99
41) Methacrylonitrile	5.92	41	161570m	21.082	ug/l	
42) 1,2-Dichloroethane	6.88	62	325372	21.236	ug/l	97
43) Isopropyl Acetate	8.34	43	388128	21.758	ug/l	98
44) Trichloroethene	7.73	130	348278	21.053	ug/l	96
45) 1,2-Dichloropropane	8.09	63	294992	21.081	ug/l	98
46) Dibromomethane	8.20	93	193605	21.370	ug/l	97
47) Bromodichloromethane	8.48	83	409745	21.227	ug/l	99
48) Methyl methacrylate	8.23	41	223234	21.970	ug/l	98
49) 1,4-Dioxane	8.21	88	46224	462.355	ug/l	97
51) 4-Methyl-2-Pentanone	9.34	43	1255456	111.585	ug/l	98
52) Toluene	9.54	92	727552	21.139	ug/l	97
53) t-1,3-Dichloropropene	9.91	75	370332	21.203	ug/l	99
54) cis-1,3-Dichloropropene	9.09	75	456259	21.154	ug/l	97
55) 1,1,2-Trichloroethane	10.17	97	241753	21.486	ug/l	98
56) Ethyl methacrylate	10.02	69	277331	22.329	ug/l	98
57) 1,3-Dichloropropane	10.38	76	365404	21.294	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.91	63	794890	115.250	ug/l	98
59) 2-Hexanone	10.48	43	959231	118.564	ug/l	98
60) Dibromochloromethane	10.63	129	286232	20.734	ug/l	95
61) 1,2-Dibromoethane	10.75	107	252903	21.154	ug/l	99
64) Tetrachloroethene	10.24	164	317096	20.703	ug/l	99
65) Chlorobenzene	11.30	112	786052	20.778	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	273618	21.680	ug/l	99
67) Ethyl Benzene	11.42	91	1362658	22.231	ug/l	100
68) m/p-Xylenes	11.56	106	1006124	43.932	ug/l	96
69) o-Xylene	11.93	106	489773	21.621	ug/l	97
70) Styrene	11.95	104	816910	21.564	ug/l	98
71) Bromoform	12.11	173	208904	20.441	ug/l	96
73) Isopropylbenzene	12.27	105	1320658	21.996	ug/l	98
74) N-amyl acetate	12.13	43	484580	22.034	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	284439	21.700	ug/l	97
76) 1,2,3-Trichloropropane	12.59	75	281914	21.510	ug/l	100
77) Bromobenzene	12.53	156	376506	21.580	ug/l	95
78) n-propylbenzene	12.63	91	1639994	21.998	ug/l	99
79) 2-Chlorotoluene	12.70	91	897441	21.689	ug/l	99
80) 1,3,5-Trimethylbenzene	12.79	105	1037847	22.334	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.34	75	79825	21.675	ug/l	97
82) 4-Chlorotoluene	12.81	91	1057846	22.603	ug/l	97
83) tert-Butylbenzene	13.05	119	1160522	21.763	ug/l	95
84) 1,2,4-Trimethylbenzene	13.09	105	1070753	21.863	ug/l	96
85) sec-Butylbenzene	13.21	105	1366030	21.666	ug/l	96
86) p-Isopropyltoluene	13.34	119	1110383	21.472	ug/l	97
87) 1,3-Dichlorobenzene	13.31	146	658003	21.646	ug/l	97
88) 1,4-Dichlorobenzene	13.39	146	654661	21.441	ug/l	97
89) n-Butylbenzene	13.65	91	1179774	23.380	ug/l	98
90) Hexachloroethane	13.85	117	247266	20.660	ug/l	89
91) 1,2-Dichlorobenzene	13.66	146	579702	22.681	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.23	75	38560	22.032	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	473066	21.806	ug/l	96
94) Hexachlorobutadiene	14.88	225	300393	20.831	ug/l	99
95) Naphthalene	14.96	128	669716	20.826	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	403764	21.395	ug/l	97

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

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