

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101018\
 Data File : VD060170.D
 Acq On : 10 Oct 2018 12:46
 Operator : VA/AP
 Sample : VD1010SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1010SBS01

Manual Integrations
 APPROVED

apatel
 10/11/2018 4:24:32 PM

Quant Time: Oct 11 01:24:29 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	6.38	168	1542178	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.43	114	2140987	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1740090	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	941928	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	640316	54.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.56%	
35) Dibromofluoromethane	6.30	113	844133	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
50) Toluene-d8	9.44	98	2244546	48.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.82%	
62) 4-Bromofluorobenzene	12.42	95	890969	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.57	85	272426m	18.779	ug/l
3) Chloromethane	1.74	50	265107	20.266	ug/l
4) Vinyl Chloride	1.84	62	206834	19.321	ug/l
5) Bromomethane	2.12	94	18539	13.792	ug/l
6) Chloroethane	2.22	64	46211	15.819	ug/l
7) Trichlorofluoromethane	2.48	101	252241	19.678	ug/l
8) Diethyl Ether	2.80	74	54459	20.661	ug/l
9) 1,1,2-Trichlorotrifluoroet	3.07	101	166383	20.836	ug/l
10) Methyl Iodide	3.21	142	150031	17.717	ug/l
11) Tert butyl alcohol	3.96	59	91535	109.180	ug/l
12) 1,1-Dichloroethene	3.05	96	132241	21.021	ug/l
13) Acrolein	2.96	56	41284	79.881	ug/l
14) Allyl chloride	3.51	41	274600	21.017	ug/l
15) Acrylonitrile	4.06	53	371422	107.032	ug/l
16) Acetone	3.14	43	254231	119.854	ug/l
17) Carbon Disulfide	3.28	76	403024	19.051	ug/l
18) Methyl Acetate	3.53	43	95167	20.874	ug/l
19) Methyl tert-butyl Ether	4.10	73	598653	21.644	ug/l
20) Methylene Chloride	3.69	84	582194	33.445	ug/l
21) trans-1,2-Dichloroethene	4.07	96	326622	20.103	ug/l
22) Diisopropyl ether	4.84	45	1263672	21.656	ug/l
23) Vinyl Acetate	4.78	43	3700880	112.835	ug/l
24) 1,1-Dichloroethane	4.73	63	562703	21.269	ug/l
25) 2-Butanone	5.61	43	645787	121.864	ug/l
26) 2,2-Dichloropropane	5.57	77	452647	22.569	ug/l
27) cis-1,2-Dichloroethene	5.57	96	360982	20.970	ug/l
28) Bromochloromethane	5.90	49	258836	20.133	ug/l
29) Tetrahydrofuran	5.94	42	323682	105.158	ug/l
30) Chloroform	6.08	83	581247	21.719	ug/l
31) Cyclohexane	6.34	56	509520	20.118	ug/l
32) 1,1,1-Trichloroethane	6.28	97	455792	20.788	ug/l
36) 1,1-Dichloropropene	6.50	75	430548	21.044	ug/l
37) Ethyl Acetate	5.68	43	302824	22.299	ug/l
38) Carbon Tetrachloride	6.48	117	387220	20.853	ug/l

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	482887	20.773	ug/l	98
40) Benzene	6.78	78	1144990	21.392	ug/l	97
41) Methacrylonitrile	5.91	41	144944m	18.884	ug/l	
42) 1,2-Dichloroethane	6.88	62	329546	21.475	ug/l	99
43) Isopropyl Acetate	8.33	43	382001	21.382	ug/l #	99
44) Trichloroethene	7.72	130	337902	20.394	ug/l	99
45) 1,2-Dichloropropane	8.09	63	293205	20.921	ug/l	99
46) Dibromomethane	8.20	93	188232	20.745	ug/l	98
47) Bromodichloromethane	8.48	83	409344	21.173	ug/l	99
48) Methyl methacrylate	8.23	41	214266	21.055	ug/l	99
49) 1,4-Dioxane	8.21	88	42795	427.393	ug/l #	83
51) 4-Methyl-2-Pentanone	9.33	43	1206920	107.105	ug/l	97
52) Toluene	9.53	92	720859	20.912	ug/l	99
53) t-1,3-Dichloropropene	9.91	75	371625	21.244	ug/l	98
54) cis-1,3-Dichloropropene	9.09	75	460800	21.332	ug/l	98
55) 1,1,2-Trichloroethane	10.17	97	245659	21.799	ug/l	98
56) Ethyl methacrylate	10.01	69	267037	21.467	ug/l	94
57) 1,3-Dichloropropane	10.37	76	364136	21.187	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.91	63	755403	109.355	ug/l	98
59) 2-Hexanone	10.48	43	967697	119.425	ug/l	99
60) Dibromochloromethane	10.62	129	289103	20.909	ug/l	99
61) 1,2-Dibromoethane	10.75	107	249607	20.846	ug/l	97
64) Tetrachloroethene	10.24	164	317923	20.860	ug/l	97
65) Chlorobenzene	11.30	112	787525	20.920	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.41	131	281373	22.405	ug/l	98
67) Ethyl Benzene	11.42	91	1345911	22.067	ug/l	98
68) m/p-Xylenes	11.56	106	975999	42.829	ug/l	99
69) o-Xylene	11.92	106	460573	20.433	ug/l	89
70) Styrene	11.95	104	778660	20.657	ug/l	99
71) Bromoform	12.11	173	208283	20.482	ug/l	99
73) Isopropylbenzene	12.27	105	1285176	20.682	ug/l	98
74) N-amyl acetate	12.13	43	487536	21.419	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.55	83	285585	21.051	ug/l	98
76) 1,2,3-Trichloropropane	12.59	75	279769	20.624	ug/l	99
77) Bromobenzene	12.53	156	377063	20.881	ug/l	92
78) n-propylbenzene	12.63	91	1652890	21.422	ug/l	99
79) 2-Chlorotoluene	12.70	91	900070	21.018	ug/l	98
80) 1,3,5-Trimethylbenzene	12.79	105	1058906	22.017	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.34	75	78865	20.691	ug/l	99
82) 4-Chlorotoluene	12.80	91	1075804	22.210	ug/l	92
83) tert-Butylbenzene	13.05	119	1166002	21.127	ug/l	95
84) 1,2,4-Trimethylbenzene	13.09	105	1095475	21.612	ug/l	97
85) sec-Butylbenzene	13.21	105	1383378	21.199	ug/l	98
86) p-Isopropyltoluene	13.34	119	1137772	21.258	ug/l	98
87) 1,3-Dichlorobenzene	13.30	146	655246	20.827	ug/l	98
88) 1,4-Dichlorobenzene	13.39	146	674547	21.346	ug/l	96
89) n-Butylbenzene	13.65	91	1202192	23.019	ug/l	98
90) Hexachloroethane	13.85	117	261771	21.133	ug/l	82
91) 1,2-Dichlorobenzene	13.66	146	603356	22.808	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.23	75	38938	21.496	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	484004	21.556	ug/l	97
94) Hexachlorobutadiene	14.88	225	317822	21.295	ug/l	99
95) Naphthalene	14.96	128	691282	20.770	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	402107	20.587	ug/l	98

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

