

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100318\
 Data File : VD060116.D
 Acq On : 3 Oct 2018 14:13
 Operator : VA/AP
 Sample : VD1003SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBS01

Manual Integrations
 APPROVED

apatel
 10/4/2018 4:44:52 PM

Quant Time: Oct 04 04:44:48 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	1563201	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.44	114	2166742	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.28	117	1820132	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	923781	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.78	65	659645	55.67	ug/l	0.02
Spiked Amount	50.000		Recovery	=	111.34%	
35) Dibromofluoromethane	6.31	113	878615	53.40	ug/l	0.02
Spiked Amount	50.000		Recovery	=	106.80%	
50) Toluene-d8	9.45	98	2511232	53.52	ug/l	0.02
Spiked Amount	50.000		Recovery	=	107.04%	
62) 4-Bromofluorobenzene	12.43	95	941713	53.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	290887	19.782	ug/l	98
3) Chloromethane	1.75	50	302622	22.823	ug/l	96
4) Vinyl Chloride	1.85	62	229363	21.137	ug/l	96
5) Bromomethane	2.12	94	19959	14.649	ug/l	88
6) Chloroethane	2.23	64	50675	17.113	ug/l #	88
7) Trichlorofluoromethane	2.49	101	254416	19.581	ug/l	97
8) Diethyl Ether	2.81	74	56937	21.311	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.07	101	175540	21.687	ug/l	98
10) Methyl Iodide	3.23	142	141867	16.527	ug/l	93
11) Tert butyl alcohol	3.97	59	89816	105.689	ug/l	98
12) 1,1-Dichloroethene	3.06	96	140104	21.971	ug/l	93
13) Acrolein	2.97	56	58537	111.740	ug/l	96
14) Allyl chloride	3.52	41	283718	21.423	ug/l	96
15) Acrylonitrile	4.07	53	396788	112.804	ug/l	100
16) Acetone	3.15	43	253378	117.845	ug/l	99
17) Carbon Disulfide	3.29	76	459691	21.437	ug/l	98
18) Methyl Acetate	3.54	43	100324	21.709	ug/l	96
19) Methyl tert-butyl Ether	4.11	73	620558	22.134	ug/l	98
20) Methylene Chloride	3.71	84	609831	34.719	ug/l	95
21) trans-1,2-Dichloroethene	4.08	96	349790	21.239	ug/l	96
22) Diisopropyl ether	4.84	45	1301370	22.003	ug/l	92
23) Vinyl Acetate	4.79	43	3780029	113.698	ug/l	99
24) 1,1-Dichloroethane	4.74	63	574164	21.410	ug/l	100
25) 2-Butanone	5.62	43	619674	115.364	ug/l	97
26) 2,2-Dichloropropane	5.58	77	445984	21.937	ug/l	97
27) cis-1,2-Dichloroethene	5.58	96	375584	21.525	ug/l	94
28) Bromochloromethane	5.91	49	271313	20.819	ug/l	95
29) Tetrahydrofuran	5.94	42	349142	111.904	ug/l	99
30) Chloroform	6.09	83	592898	21.856	ug/l	97
31) Cyclohexane	6.35	56	525922	20.487	ug/l	97
32) 1,1,1-Trichloroethane	6.28	97	475168	21.380	ug/l	99
36) 1,1-Dichloropropene	6.51	75	441130	21.305	ug/l	99
37) Ethyl Acetate	5.68	43	309514	22.521	ug/l	97
38) Carbon Tetrachloride	6.49	117	403740	21.484	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	513830	21.842	ug/l	100
40) Benzene	6.79	78	1150004	21.230	ug/l	100
41) Methacrylonitrile	5.92	41	143917m	18.527	ug/l	
42) 1,2-Dichloroethane	6.88	62	327360	21.079	ug/l	100
43) Isopropyl Acetate	8.34	43	387125	21.411	ug/l #	99
44) Trichloroethene	7.73	130	356911	21.285	ug/l	96
45) 1,2-Dichloropropane	8.10	63	303696	21.412	ug/l	98
46) Dibromomethane	8.21	93	198663	21.635	ug/l	96
47) Bromodichloromethane	8.49	83	424685	21.706	ug/l	99
48) Methyl methacrylate	8.24	41	228053	22.143	ug/l	96
49) 1,4-Dioxane	8.22	88	45362	447.645	ug/l	95
51) 4-Methyl-2-Pentanone	9.34	43	1265309	110.952	ug/l	99
52) Toluene	9.54	92	757802	21.722	ug/l	100
53) t-1,3-Dichloropropene	9.92	75	388472	21.943	ug/l	97
54) cis-1,3-Dichloropropene	9.10	75	469478	21.475	ug/l	98
55) 1,1,2-Trichloroethane	10.18	97	257970	22.620	ug/l	97
56) Ethyl methacrylate	10.02	69	285814	22.703	ug/l	96
57) 1,3-Dichloropropane	10.38	76	381914	21.957	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.91	63	766752	109.679	ug/l	93
59) 2-Hexanone	10.49	43	991558	120.915	ug/l	98
60) Dibromochloromethane	10.63	129	307933	22.006	ug/l	96
61) 1,2-Dibromoethane	10.75	107	258028	21.293	ug/l	98
64) Tetrachloroethene	10.25	164	332928	20.884	ug/l	97
65) Chlorobenzene	11.31	112	831667	21.121	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.41	131	282936	21.539	ug/l	98
67) Ethyl Benzene	11.42	91	1401865	21.974	ug/l	98
68) m/p-Xylenes	11.56	106	1024713	42.989	ug/l	98
69) o-Xylene	11.93	106	508040	21.548	ug/l	98
70) Styrene	11.95	104	846512	21.469	ug/l	99
71) Bromoform	12.11	173	217951	20.490	ug/l	99
73) Isopropylbenzene	12.28	105	1363158	22.368	ug/l	100
74) N-amyl acetate	12.13	43	508775	22.791	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	307300	23.097	ug/l	97
76) 1,2,3-Trichloropropane	12.59	75	304471	22.886	ug/l	97
77) Bromobenzene	12.54	156	395261	22.319	ug/l	81
78) n-propylbenzene	12.63	91	1716906	22.688	ug/l	99
79) 2-Chlorotoluene	12.70	91	917627	21.848	ug/l	99
80) 1,3,5-Trimethylbenzene	12.79	105	1099417	23.309	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.34	75	80881	21.637	ug/l	94
82) 4-Chlorotoluene	12.81	91	1111979	23.408	ug/l	100
83) tert-Butylbenzene	13.05	119	1217438	22.492	ug/l	99
84) 1,2,4-Trimethylbenzene	13.09	105	1105450	22.237	ug/l	100
85) sec-Butylbenzene	13.22	105	1440425	22.507	ug/l	98
86) p-Isopropyltoluene	13.34	119	1207367	23.001	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	702191	22.758	ug/l	99
88) 1,4-Dichlorobenzene	13.39	146	683695	22.060	ug/l	99
89) n-Butylbenzene	13.65	91	1249123	24.388	ug/l	99
90) Hexachloroethane	13.85	117	266247	21.916	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	613354	23.642	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.23	75	39075	21.996	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	486255	22.081	ug/l	97
94) Hexachlorobutadiene	14.88	225	316186	21.601	ug/l	99
95) Naphthalene	14.96	128	699099	21.417	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	414341	21.630	ug/l	98

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

