

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092018\
 Data File : VD060061.D
 Acq On : 20 Sep 2018 21:25
 Operator : VA/AP
 Sample : J5017-09MSD
 Misc : 5.10/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-091918-S-NW-061MSD

Manual Integrations
 APPROVED

apatel
 9/21/2018 12:57:46 PM

Quant Time: Sep 21 01:54:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1113168	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	1646416	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1160145	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	447296	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.76	65	516828	59.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.08%	
35) Dibromofluoromethane	6.30	113	703754	54.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.42%	
50) Toluene-d8	9.44	98	1632649	45.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.60%	
62) 4-Bromofluorobenzene	12.42	95	563174	41.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	569858	48.497	ug/l	99
3) Chloromethane	1.74	50	568004	54.724	ug/l	99
4) Vinyl Chloride	1.84	62	461060	55.257	ug/l	99
5) Bromomethane	2.13	94	100798	102.058	ug/l	98
6) Chloroethane	2.24	64	158327	84.875	ug/l	97
7) Trichlorofluoromethane	2.49	101	508347	55.337	ug/l	99
8) Diethyl Ether	2.80	74	121063	61.995	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.07	101	269704	46.559	ug/l	98
10) Methyl Iodide	3.23	142	399062	65.045	ug/l	91
11) Tert butyl alcohol	3.94	59	184274	263.076	ug/l	98
12) 1,1-Dichloroethene	3.05	96	265176	57.896	ug/l	95
13) Acrolein	2.96	56	62143	143.262	ug/l	93
14) Allyl chloride	3.51	41	561816	58.163	ug/l	98
15) Acrylonitrile	4.06	53	748533	283.102	ug/l	98
16) Acetone	3.14	43	530456	316.499	ug/l	96
17) Carbon Disulfide	3.29	76	851192	53.937	ug/l	99
18) Methyl Acetate	3.53	43	328227	96.296	ug/l	100
19) Methyl tert-butyl Ether	4.09	73	1192786	56.362	ug/l	100
20) Methylene Chloride	3.70	84	726650	62.774	ug/l	95
21) trans-1,2-Dichloroethene	4.07	96	652387	54.278	ug/l	99
22) Diisopropyl ether	4.83	45	2533845	57.508	ug/l	96
23) Vinyl Acetate	4.78	43	5780931	231.593	ug/l	100
24) 1,1-Dichloroethane	4.73	63	1123212	56.806	ug/l	99
25) 2-Butanone	5.60	43	1211874	267.955	ug/l	100
26) 2,2-Dichloropropane	5.57	77	797612	51.886	ug/l	100
27) cis-1,2-Dichloroethene	5.57	96	724065	57.591	ug/l	99
28) Bromochloromethane	5.90	49	555262	58.421	ug/l	99
29) Tetrahydrofuran	5.93	42	645738	266.233	ug/l	98
30) Chloroform	6.08	83	1120319	55.872	ug/l	99
31) Cyclohexane	6.35	56	609990	31.640	ug/l	99
32) 1,1,1-Trichloroethane	6.27	97	848821	51.039	ug/l	98
36) 1,1-Dichloropropene	6.50	75	711355	43.496	ug/l	99
37) Ethyl Acetate	5.68	43	516902	45.961	ug/l	98
38) Carbon Tetrachloride	6.47	117	631350	41.354	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	393939	21.293	ug/l	100
40) Benzene	6.77	78	2119059	50.837	ug/l	100
41) Methacrylonitrile	5.89	41	264234m	44.857	ug/l	
42) 1,2-Dichloroethane	6.88	62	648464	51.810	ug/l	99
43) Isopropyl Acetate	8.33	43	698940	46.416	ug/l #	98
44) Trichloroethene	7.72	130	599969	46.586	ug/l	98
45) 1,2-Dichloropropane	8.09	63	571748	51.295	ug/l	100
46) Dibromomethane	8.20	93	384199	52.828	ug/l	95
47) Bromodichloromethane	8.47	83	795867	50.758	ug/l	100
48) Methyl methacrylate	8.22	41	458154	54.629	ug/l	98
49) 1,4-Dioxane	8.21	88	89026	1068.765	ug/l	96
51) 4-Methyl-2-Pentanone	9.33	43	2417071	243.073	ug/l	99
52) Toluene	9.53	92	1194547	44.708	ug/l	98
53) t-1,3-Dichloropropene	9.90	75	710400	48.578	ug/l	98
54) cis-1,3-Dichloropropene	9.08	75	874043	50.024	ug/l	99
55) 1,1,2-Trichloroethane	10.16	97	442818	47.734	ug/l	98
56) Ethyl methacrylate	10.02	69	510784	49.641	ug/l	99
57) 1,3-Dichloropropane	10.37	76	697024	50.902	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.90	63	1374554	276.639	ug/l	98
59) 2-Hexanone	10.48	43	1738336	244.729	ug/l	99
60) Dibromochloromethane	10.63	129	541825	47.986	ug/l	99
61) 1,2-Dibromoethane	10.74	107	476660	49.766	ug/l	98
64) Tetrachloroethene	10.23	164	412514	40.301	ug/l	98
65) Chlorobenzene	11.30	112	1258140	50.441	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.40	131	462674	54.997	ug/l	99
67) Ethyl Benzene	11.41	91	1851850	46.135	ug/l	98
68) m/p-Xylenes	11.55	106	1375048	92.755	ug/l	94
69) o-Xylene	11.92	106	676543	46.058	ug/l	97
70) Styrene	11.94	104	1215334	49.208	ug/l	99
71) Bromoform	12.10	173	388220	53.711	ug/l	98
73) Isopropylbenzene	12.27	105	1480084	50.453	ug/l	98
74) N-amyl acetate	12.12	43	872407	75.077	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.55	83	511750	76.897	ug/l	97
76) 1,2,3-Trichloropropane	12.58	75	501081	73.349	ug/l	100
77) Bromobenzene	12.53	156	547750	64.820	ug/l	90
78) n-propylbenzene	12.62	91	1706438	46.257	ug/l	95
79) 2-Chlorotoluene	12.69	91	1106087	53.122	ug/l	95
80) 1,3,5-Trimethylbenzene	12.78	105	1042170	46.350	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.33	75	147942	71.741	ug/l	93
82) 4-Chlorotoluene	12.80	91	1242693	54.285	ug/l	96
83) tert-Butylbenzene	13.04	119	1126328	43.239	ug/l	96
84) 1,2,4-Trimethylbenzene	13.09	105	1101828	45.920	ug/l	99
85) sec-Butylbenzene	13.21	105	1043743	33.755	ug/l	98
86) p-Isopropyltoluene	13.33	119	858729	34.337	ug/l	97
87) 1,3-Dichlorobenzene	13.30	146	748184	50.914	ug/l	98
88) 1,4-Dichlorobenzene	13.38	146	750091	50.325	ug/l	97
89) n-Butylbenzene	13.64	91	742234	28.889	ug/l	97
90) Hexachloroethane	13.84	117	187885	30.332	ug/l	78
91) 1,2-Dichlorobenzene	13.65	146	665758	57.563	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.22	75	63682	62.769	ug/l	73

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	287864	27.489	ug/l	96
94) Hexachlorobutadiene	14.87	225	95039	13.720	ug/l	96
95) Naphthalene	14.96	128	695373	42.998	ug/l	98
96) 1,2,3-Trichlorobenzene	15.10	180	253018m	27.417	ug/l	

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

