

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092018\
 Data File : VD060049.D
 Acq On : 20 Sep 2018 11:09
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 9/21/2018 12:01:37 PM

Quant Time: Sep 20 16:37:01 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	6.39	168	1655658	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	2346035	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1893405	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	1021904	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.76	65	679162	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	
35) Dibromofluoromethane	6.30	113	937796	51.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.34%	
50) Toluene-d8	9.44	98	2597834	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	
62) 4-Bromofluorobenzene	12.42	95	973757	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	826946	47.317	ug/l	99
3) Chloromethane	1.75	50	745868	48.314	ug/l	98
4) Vinyl Chloride	1.84	62	611166	49.247	ug/l	99
5) Bromomethane	2.13	94	94417	64.274	ug/l	96
6) Chloroethane	2.25	64	172205	62.067	ug/l	97
7) Trichlorofluoromethane	2.49	101	743470	54.414	ug/l	99
8) Diethyl Ether	2.81	74	151476	52.153	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.07	101	472785	54.875	ug/l	98
10) Methyl Iodide	3.23	142	505588	55.406	ug/l	96
11) Tert butyl alcohol	3.95	59	224948	215.918	ug/l	99
12) 1,1-Dichloroethene	3.05	96	371855	54.586	ug/l	97
13) Acrolein	2.96	56	139808	216.701	ug/l	97
14) Allyl chloride	3.52	41	730379	50.838	ug/l	97
15) Acrylonitrile	4.07	53	994362	252.852	ug/l	99
16) Acetone	3.14	43	651229	261.244	ug/l	98
17) Carbon Disulfide	3.30	76	1211266	51.605	ug/l	99
18) Methyl Acetate	3.53	43	255832	50.464	ug/l	98
19) Methyl tert-butyl Ether	4.11	73	1599759	50.824	ug/l	97
20) Methylene Chloride	3.70	84	936178	53.249	ug/l	97
21) trans-1,2-Dichloroethene	4.08	96	912516	51.044	ug/l	94
22) Diisopropyl ether	4.83	45	3408712	52.015	ug/l	97
23) Vinyl Acetate	4.78	43	9587123	258.230	ug/l	100
24) 1,1-Dichloroethane	4.74	63	1553073	52.810	ug/l	100
25) 2-Butanone	5.60	43	1602887	238.285	ug/l	100
26) 2,2-Dichloropropane	5.56	77	1199472	52.462	ug/l	99
27) cis-1,2-Dichloroethene	5.57	96	961046	51.394	ug/l	99
28) Bromochloromethane	5.91	49	765964	54.184	ug/l	99
29) Tetrahydrofuran	5.94	42	866042	240.068	ug/l	98
30) Chloroform	6.08	83	1589074	53.282	ug/l	100
31) Cyclohexane	6.35	56	1344075	46.874	ug/l	99
32) 1,1,1-Trichloroethane	6.27	97	1261697	51.008	ug/l	99
36) 1,1-Dichloropropene	6.51	75	1167830	50.112	ug/l	100
37) Ethyl Acetate	5.68	43	759070	47.366	ug/l	98
38) Carbon Tetrachloride	6.48	117	1057419	48.607	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	1314865	49.876	ug/l	97
40) Benzene	6.77	78	3068542	51.662	ug/l	99
41) Methacrylonitrile	5.92	41	446085m	53.146	ug/l	
42) 1,2-Dichloroethane	6.88	62	896919	50.291	ug/l	99
43) Isopropyl Acetate	8.34	43	1036730	48.316	ug/l #	95
44) Trichloroethene	7.73	130	935638	50.984	ug/l	95
45) 1,2-Dichloropropane	8.09	63	821386	51.716	ug/l	98
46) Dibromomethane	8.20	93	528169	50.967	ug/l	96
47) Bromodichloromethane	8.47	83	1158371	51.846	ug/l	99
48) Methyl methacrylate	8.23	41	584062	48.874	ug/l	97
49) 1,4-Dioxane	8.21	88	113730	958.177	ug/l	94
51) 4-Methyl-2-Pentanone	9.33	43	3226991	225.311	ug/l	99
52) Toluene	9.54	92	1906868	50.085	ug/l	99
53) t-1,3-Dichloropropene	9.90	75	1060201	50.878	ug/l	98
54) cis-1,3-Dichloropropene	9.09	75	1305163	52.422	ug/l	98
55) 1,1,2-Trichloroethane	10.17	97	654633	49.523	ug/l	97
56) Ethyl methacrylate	10.02	69	745025	50.813	ug/l	96
57) 1,3-Dichloropropane	10.37	76	1016488	52.095	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.91	63	1907543	269.421	ug/l	98
59) 2-Hexanone	10.47	43	2381098	233.696	ug/l	100
60) Dibromochloromethane	10.63	129	845788	52.568	ug/l	98
61) 1,2-Dibromoethane	10.75	107	690734	50.610	ug/l	97
64) Tetrachloroethene	10.24	164	873016	52.259	ug/l	99
65) Chlorobenzene	11.30	112	2085232	51.225	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.41	131	730886	53.233	ug/l	99
67) Ethyl Benzene	11.42	91	3473681	53.026	ug/l	99
68) m/p-Xylenes	11.56	106	2594308	107.229	ug/l	98
69) o-Xylene	11.93	106	1228916	51.263	ug/l	96
70) Styrene	11.95	104	1994183	49.473	ug/l	98
71) Bromoform	12.11	173	602035	51.036	ug/l	98
73) Isopropylbenzene	12.26	105	3360780	50.145	ug/l	99
74) N-amyl acetate	12.13	43	1269544	47.821	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	760441	50.015	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	783895	50.226	ug/l	100
77) Bromobenzene	12.53	156	1003707	51.990	ug/l	95
78) n-propylbenzene	12.63	91	4183162	49.634	ug/l	98
79) 2-Chlorotoluene	12.70	91	2370953	49.842	ug/l	98
80) 1,3,5-Trimethylbenzene	12.79	105	2640361	51.399	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.33	75	231310	49.097	ug/l	97
82) 4-Chlorotoluene	12.80	91	2560207	48.953	ug/l	92
83) tert-Butylbenzene	13.04	119	3025432	50.838	ug/l	97
84) 1,2,4-Trimethylbenzene	13.09	105	2690950	49.088	ug/l	98
85) sec-Butylbenzene	13.22	105	3557211	50.354	ug/l	94
86) p-Isopropyltoluene	13.34	119	2897979	50.720	ug/l	98
87) 1,3-Dichlorobenzene	13.31	146	1721290	51.271	ug/l	96
88) 1,4-Dichlorobenzene	13.39	146	1706242	50.107	ug/l	98
89) n-Butylbenzene	13.64	91	2817288	53.240	ug/l	99
90) Hexachloroethane	13.85	117	728960	51.510	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	1443128	53.875	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.22	75	102185	44.086	ug/l	63

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	1237839	51.740	ug/l	99
94) Hexachlorobutadiene	14.87	225	805850	50.920	ug/l	99
95) Naphthalene	14.96	128	1836938	49.717	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	1037091	49.190	ug/l	98

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

