

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080818\
 Data File : VW004501.D
 Acq On : 07 Aug 2018 19:02
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 8/8/2018 2:24:28 PM

Quant Time: Aug 08 08:49:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W080618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 08:22:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	767918	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	1187786	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1105695	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	585493	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	422802	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
35) Dibromofluoromethane	7.88	113	406238	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	
50) Toluene-d8	10.33	98	1584993	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	
62) 4-Bromofluorobenzene	12.62	95	574502	52.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.64%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.01	85	258765	49.10	ug/l	100
3) Chloromethane	2.22	50	358404	48.82	ug/l	100
4) Vinyl Chloride	2.37	62	508826	49.61	ug/l	99
5) Bromomethane	2.78	94	302637	50.68	ug/l	97
6) Chloroethane	2.92	64	316201	51.60	ug/l	98
7) Trichlorofluoromethane	3.25	101	206701	54.57	ug/l	96
8) Diethyl Ether	3.67	74	231089	48.23	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.05	101	421863	50.42	ug/l	99
10) Methyl Iodide	4.27	142	630928	50.26	ug/l	100
11) Tert butyl alcohol	5.23	59	104341	209.64	ug/l #	81
12) 1,1-Dichloroethene	4.03	96	413846	49.14	ug/l	99
13) Acrolein	3.89	56	160044	262.44	ug/l	100
14) Allyl chloride	4.66	41	669657	52.93	ug/l	99
15) Acrylonitrile	5.37	53	504802	237.06	ug/l	100
16) Acetone	4.14	43	517187	243.62	ug/l	98
17) Carbon Disulfide	4.37	76	1367925	50.55	ug/l	99
18) Methyl Acetate	4.68	43	240954	45.52	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	585869	51.00	ug/l	98
20) Methylene Chloride	4.91	84	534042	51.83	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	460446	50.74	ug/l	98
22) Diisopropyl ether	6.31	45	1387905	53.38	ug/l	99
23) Vinyl Acetate	6.26	43	4071452	260.55	ug/l	100
24) 1,1-Dichloroethane	6.21	63	844517	50.74	ug/l	99
25) 2-Butanone	7.18	43	810936	237.47	ug/l	100
26) 2,2-Dichloropropane	7.17	77	432094	49.47	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	493382	50.53	ug/l	100
28) Bromochloromethane	7.51	49	364893	50.39	ug/l	99
29) Tetrahydrofuran	7.54	42	417050	236.24	ug/l	99
30) Chloroform	7.68	83	820964	50.22	ug/l	99
31) Cyclohexane	7.96	56	796675	50.03	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	627282	51.09	ug/l	99
36) 1,1-Dichloropropene	8.08	75	667234	52.17	ug/l	100
37) Ethyl Acetate	7.26	43	275310	45.96	ug/l	99
38) Carbon Tetrachloride	8.07	117	592899	51.52	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	836260	53.35	ug/l	98
40) Benzene	8.32	78	1915669	51.01	ug/l	99
41) Methacrylonitrile	7.49	41	176178	52.66	ug/l	93
42) 1,2-Dichloroethane	8.40	62	517866	49.84	ug/l	99
43) Isopropyl Acetate	8.43	43	508630	48.72	ug/l	100
44) Trichloroethene	9.09	130	462747	50.14	ug/l	98
45) 1,2-Dichloropropane	9.37	63	480440	51.08	ug/l	99
46) Dibromomethane	9.46	93	235290	49.14	ug/l	99
47) Bromodichloromethane	9.65	83	567604	50.22	ug/l	100
48) Methyl methacrylate	9.44	41	247051	50.63	ug/l	98
49) 1,4-Dioxane	9.48	88	71124	973.68	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	1788469	246.09	ug/l	100
52) Toluene	10.39	92	1148660	51.87	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	572827	50.48	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	682790	51.63	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	336506	49.04	ug/l	99
56) Ethyl methacrylate	10.65	69	427599	52.04	ug/l	100
57) 1,3-Dichloropropane	10.93	76	584327	49.40	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	1014326	233.09	ug/l	100
59) 2-Hexanone	10.98	43	1213470	246.27	ug/l	100
60) Dibromochloromethane	11.13	129	374865	50.22	ug/l	99
61) 1,2-Dibromoethane	11.24	107	316867	49.15	ug/l	99
64) Tetrachloroethene	10.87	164	386383	50.09	ug/l	96
65) Chlorobenzene	11.66	112	1249064	51.26	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	427054	51.48	ug/l	99
67) Ethyl Benzene	11.74	91	2209245	53.48	ug/l	99
68) m/p-Xylenes	11.84	106	1716385	107.52	ug/l	100
69) o-Xylene	12.17	106	797151	53.84	ug/l	99
70) Styrene	12.19	104	1363225	54.50	ug/l	100
71) Bromoform	12.35	173	227479	49.88	ug/l #	99
73) Isopropylbenzene	12.47	105	2194751	54.19	ug/l	100
74) N-amyl acetate	12.28	43	498731	50.79	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	416992	49.32	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	278958m	46.04	ug/l	
77) Bromobenzene	12.75	156	508200	51.87	ug/l	99
78) n-propylbenzene	12.81	91	2739766	54.83	ug/l	100
79) 2-Chlorotoluene	12.90	91	1533975	53.04	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	1893572	54.81	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	124859	49.33	ug/l	98
82) 4-Chlorotoluene	12.99	91	1632871	53.20	ug/l	100
83) tert-Butylbenzene	13.21	119	1600740	55.24	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	1950780	54.55	ug/l	100
85) sec-Butylbenzene	13.39	105	2384322	54.54	ug/l	99
86) p-Isopropyltoluene	13.51	119	2087315	55.10	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	1033655	51.20	ug/l	100
88) 1,4-Dichlorobenzene	13.59	146	1014935	50.50	ug/l	99
89) n-Butylbenzene	13.83	91	2037932	54.76	ug/l	100
90) Hexachloroethane	14.10	117	365555	52.16	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	930616	50.81	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	66270	47.97	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	656528	51.77	ug/l	99
94) Hexachlorobutadiene	15.24	225	386243	52.31	ug/l	100
95) Naphthalene	15.38	128	1237536	47.44	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	586681	51.48	ug/l	99

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

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