

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082118\
 Data File : VW004835.D
 Acq On : 21 Aug 2018 12:36
 Operator : SY/AP
 Sample : VW0821SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0821SBS01

Manual Integrations
 APPROVED

apatel
 8/22/2018 11:25:17 AM

Quant Time: Aug 22 05:33:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:49:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	623201	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	907702	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	853872	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	457077	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	277193	46.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.02%	
35) Dibromofluoromethane	7.89	113	288255	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	
50) Toluene-d8	10.33	98	1176670	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	
62) 4-Bromofluorobenzene	12.62	95	413133	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	85243	20.65	ug/l	98
3) Chloromethane	2.21	50	109082	20.21	ug/l	99
4) Vinyl Chloride	2.37	62	184413	23.21	ug/l	99
5) Bromomethane	2.78	94	108666	22.15	ug/l	99
6) Chloroethane	2.93	64	106477	22.21	ug/l	97
7) Trichlorofluoromethane	3.25	101	91393	24.42	ug/l	99
8) Diethyl Ether	3.68	74	68461	20.23	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	146391	22.71	ug/l	99
10) Methyl Iodide	4.26	142	212878	21.75	ug/l	99
11) Tert butyl alcohol	5.24	59	29466	87.54	ug/l #	72
12) 1,1-Dichloroethene	4.03	96	137221	21.37	ug/l	95
13) Acrolein	3.90	56	44919	99.44	ug/l	98
14) Allyl chloride	4.67	41	203169	20.85	ug/l	99
15) Acrylonitrile	5.38	53	133748	94.25	ug/l	100
16) Acetone	4.14	43	156208	101.56	ug/l	97
17) Carbon Disulfide	4.37	76	458869	21.74	ug/l	100
18) Methyl Acetate	4.67	43	59768	18.13	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	166413	19.96	ug/l	98
20) Methylene Chloride	4.91	84	166703	21.26	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	145803	21.34	ug/l	98
22) Diisopropyl ether	6.32	45	407955	21.78	ug/l	97
23) Vinyl Acetate	6.26	43	1028551	97.07	ug/l	99
24) 1,1-Dichloroethane	6.21	63	258734	21.25	ug/l	98
25) 2-Butanone	7.18	43	202704	92.50	ug/l	99
26) 2,2-Dichloropropane	7.17	77	157213	22.36	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	154353	20.98	ug/l	99
28) Bromochloromethane	7.51	49	98122	19.14	ug/l	100
29) Tetrahydrofuran	7.54	42	99010	88.60	ug/l	99
30) Chloroform	7.68	83	249578	20.85	ug/l	99
31) Cyclohexane	7.96	56	253574	21.54	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	209664	22.09	ug/l	99
36) 1,1-Dichloropropene	8.09	75	207493	22.19	ug/l	100
37) Ethyl Acetate	7.26	43	72210	19.37	ug/l	98
38) Carbon Tetrachloride	8.07	117	196407	22.82	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	259222	22.17	ug/l	98
40) Benzene	8.32	78	598167	22.01	ug/l	99
41) Methacrylonitrile	7.49	41	39318	18.59	ug/l	94
42) 1,2-Dichloroethane	8.40	62	146440	21.01	ug/l	99
43) Isopropyl Acetate	8.43	43	128312	19.16	ug/l	97
44) Trichloroethene	9.09	130	148674	21.55	ug/l	99
45) 1,2-Dichloropropane	9.37	63	145168	21.84	ug/l	99
46) Dibromomethane	9.46	93	67869	20.61	ug/l	100
47) Bromodichloromethane	9.65	83	165743	21.07	ug/l	99
48) Methyl methacrylate	9.44	41	60497	19.26	ug/l	98
49) 1,4-Dioxane	9.48	88	20130	418.39	ug/l #	81
51) 4-Methyl-2-Pentanone	10.21	43	434879	96.10	ug/l	99
52) Toluene	10.39	92	368965	22.64	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	164580	20.77	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	199890	21.16	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	98763	21.10	ug/l	98
56) Ethyl methacrylate	10.65	69	108490	19.66	ug/l	99
57) 1,3-Dichloropropane	10.94	76	167905	20.78	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	267777	103.58	ug/l	99
59) 2-Hexanone	10.98	43	302359	98.61	ug/l	99
60) Dibromochloromethane	11.13	129	110235	20.99	ug/l	100
61) 1,2-Dibromoethane	11.24	107	91077	20.35	ug/l	100
64) Tetrachloroethene	10.87	164	129092	22.12	ug/l	97
65) Chlorobenzene	11.66	112	399177	21.72	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	133464	21.51	ug/l	98
67) Ethyl Benzene	11.74	91	685160	21.99	ug/l	98
68) m/p-Xylenes	11.85	106	552728	45.60	ug/l	99
69) o-Xylene	12.17	106	247285	22.04	ug/l	98
70) Styrene	12.19	104	414822	22.01	ug/l	100
71) Bromoform	12.35	173	65304	19.94	ug/l #	97
73) Isopropylbenzene	12.47	105	695095	22.35	ug/l	99
74) N-amyl acetate	12.28	43	123148	19.57	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	117441	20.39	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	75634m	18.77	ug/l	
77) Bromobenzene	12.76	156	161546	21.46	ug/l	98
78) n-propylbenzene	12.81	91	863426	22.75	ug/l	100
79) 2-Chlorotoluene	12.90	91	487909	22.31	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	610199	23.10	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	33461	19.30	ug/l	99
82) 4-Chlorotoluene	12.99	91	511877	22.03	ug/l	99
83) tert-Butylbenzene	13.21	119	502985	22.26	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	619687	22.80	ug/l	100
85) sec-Butylbenzene	13.39	105	769583	22.81	ug/l	100
86) p-Isopropyltoluene	13.51	119	672183	22.90	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	339115	22.15	ug/l	99
88) 1,4-Dichlorobenzene	13.59	146	336695	22.00	ug/l	100
89) n-Butylbenzene	13.83	91	634408	22.35	ug/l	99
90) Hexachloroethane	14.10	117	114736	21.44	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	295207	21.47	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	17410	19.34	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	205488	21.13	ug/l	98
94) Hexachlorobutadiene	15.25	225	132276	22.16	ug/l	99
95) Naphthalene	15.38	128	321766	19.38	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	178543	20.70	ug/l	98

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

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