

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091718\
 Data File : VW005452.D
 Acq On : 18 Sep 2018 01:38
 Operator : SY/AP
 Sample : VW0917SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0917SBS02

Manual Integrations
 APPROVED

apatel
 9/18/2018 2:43:47 PM

Quant Time: Sep 18 02:23:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091618S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 15 02:32:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	252762	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	385941	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	370330	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	195535	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	127595	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	
35) Dibromofluoromethane	7.89	113	105184	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
50) Toluene-d8	10.33	98	500477	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
62) 4-Bromofluorobenzene	12.62	95	185965	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	55439	23.54	ug/l	98
3) Chloromethane	2.21	50	70780	23.72	ug/l	100
4) Vinyl Chloride	2.36	62	62396	22.33	ug/l	96
5) Bromomethane	2.78	94	39141	19.61	ug/l	97
6) Chloroethane	2.92	64	35505	21.43	ug/l	97
7) Trichlorofluoromethane	3.26	101	74978	20.25	ug/l	100
8) Diethyl Ether	3.70	74	24910	22.64	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.07	101	46525	21.55	ug/l	97
10) Methyl Iodide	4.28	142	51974	21.44	ug/l	98
11) Tert butyl alcohol	5.22	59	16473	91.93	ug/l #	71
12) 1,1-Dichloroethene	4.04	96	41981	21.47	ug/l	94
13) Acrolein	3.91	56	13607	118.10	ug/l	98
14) Allyl chloride	4.68	41	84079	23.11	ug/l	97
15) Acrylonitrile	5.38	53	54241	107.76	ug/l	99
16) Acetone	4.16	43	41223	98.33	ug/l	93
17) Carbon Disulfide	4.38	76	144894	21.03	ug/l	99
18) Methyl Acetate	4.69	43	25968	20.60	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	118070	22.24	ug/l	98
20) Methylene Chloride	4.92	84	66308	22.29	ug/l	94
21) trans-1,2-Dichloroethene	5.43	96	50993	21.83	ug/l	98
22) Diisopropyl ether	6.32	45	169135	23.64	ug/l	99
23) Vinyl Acetate	6.27	43	474512	116.41	ug/l	99
24) 1,1-Dichloroethane	6.23	63	97097	22.37	ug/l	100
25) 2-Butanone	7.19	43	67769	107.38	ug/l	99
26) 2,2-Dichloropropane	7.18	77	80983	20.80	ug/l	99
27) cis-1,2-Dichloroethene	7.18	96	57208	22.52	ug/l	97
28) Bromochloromethane	7.52	49	36306	21.50	ug/l	93
29) Tetrahydrofuran	7.54	42	44446	110.54	ug/l	98
30) Chloroform	7.68	83	98498	21.91	ug/l	99
31) Cyclohexane	7.96	56	96093	22.95	ug/l	98
32) 1,1,1-Trichloroethane	7.88	97	89543	21.42	ug/l	99
36) 1,1-Dichloropropene	8.09	75	79448	21.75	ug/l	99
37) Ethyl Acetate	7.27	43	33028	22.24	ug/l	99
38) Carbon Tetrachloride	8.07	117	77435	20.35	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	90814	21.40	ug/l	98
40) Benzene	8.33	78	227457	21.50	ug/l	98
41) Methacrylonitrile	7.49	41	20840	23.26	ug/l	97
42) 1,2-Dichloroethane	8.41	62	69628	21.03	ug/l	99
43) Isopropyl Acetate	8.43	43	61441	21.20	ug/l	99
44) Trichloroethene	9.10	130	57675	21.18	ug/l	97
45) 1,2-Dichloropropane	9.37	63	57583	22.78	ug/l	100
46) Dibromomethane	9.46	93	27175	21.85	ug/l	97
47) Bromodichloromethane	9.65	83	73946	21.95	ug/l	99
48) Methyl methacrylate	9.44	41	29364	20.30	ug/l	97
49) 1,4-Dioxane	9.48	88	9043	436.31	ug/l #	99
51) 4-Methyl-2-Pentanone	10.22	43	158309	106.09	ug/l	99
52) Toluene	10.40	92	158268	22.09	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	69201	20.52	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	83279	21.81	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	38992	21.10	ug/l	95
56) Ethyl methacrylate	10.65	69	49200	21.03	ug/l	99
57) 1,3-Dichloropropane	10.94	76	68284	21.40	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	113191	106.98	ug/l	99
59) 2-Hexanone	10.98	43	107662	105.92	ug/l	99
60) Dibromochloromethane	11.13	129	44824	20.16	ug/l	98
61) 1,2-Dibromoethane	11.24	107	34879	21.04	ug/l	99
64) Tetrachloroethene	10.87	164	59084	21.59	ug/l	97
65) Chlorobenzene	11.66	112	170313	21.67	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	52349	20.84	ug/l	98
67) Ethyl Benzene	11.74	91	305957	22.14	ug/l	99
68) m/p-Xylenes	11.85	106	238328	44.80	ug/l	98
69) o-Xylene	12.17	106	110257	22.26	ug/l	100
70) Styrene	12.19	104	182584	22.33	ug/l	99
71) Bromoform	12.35	173	25849	19.45	ug/l #	96
73) Isopropylbenzene	12.47	105	301341	21.97	ug/l	100
74) N-amyl acetate	12.28	43	61934	21.42	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	42487	21.23	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	31564m	19.63	ug/l	
77) Bromobenzene	12.76	156	68273	21.05	ug/l	96
78) n-propylbenzene	12.81	91	371050	22.41	ug/l	100
79) 2-Chlorotoluene	12.90	91	217482	22.27	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	261501	21.85	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	12599	20.32	ug/l	97
82) 4-Chlorotoluene	12.99	91	226747	21.99	ug/l	100
83) tert-Butylbenzene	13.21	119	216904	21.82	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	264729	21.78	ug/l	99
85) sec-Butylbenzene	13.39	105	317417	22.10	ug/l	99
86) p-Isopropyltoluene	13.51	119	278673	21.69	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	143177	21.77	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	140111	21.63	ug/l	99
89) n-Butylbenzene	13.83	91	260162	21.75	ug/l	99
90) Hexachloroethane	14.10	117	45776	20.80	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	123482	21.48	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7488	19.48	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	80793	21.06	ug/l	99
94) Hexachlorobutadiene	15.24	225	53357	21.30	ug/l	100
95) Naphthalene	15.38	128	128178	20.06	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	69970	20.90	ug/l	100

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

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