

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071318\
 Data File : VW003922.D
 Acq On : 13 Jul 2018 18:28
 Operator : VA/AP
 Sample : VW0713SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0713SBS01

Manual Integrations
 APPROVED

apatel
 7/16/2018 10:43:40 AM

Quant Time: Jul 14 00:19:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 07 05:07:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	235473	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	369205	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	337903	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	178011	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	141953	46.10	ug/l	0.00
Spiked Amount			Recovery	=	92.20%	
35) Dibromofluoromethane	7.88	113	126603	48.99	ug/l	0.00
Spiked Amount			Recovery	=	97.98%	
50) Toluene-d8	10.33	98	498015	50.38	ug/l	0.00
Spiked Amount			Recovery	=	100.76%	
62) 4-Bromofluorobenzene	12.62	95	177882	49.74	ug/l	0.00
Spiked Amount			Recovery	=	99.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	20067	17.52	ug/l	97
3) Chloromethane	2.20	50	42144	19.38	ug/l	95
4) Vinyl Chloride	2.36	62	58012	20.23	ug/l	99
5) Bromomethane	2.78	94	35749	17.66	ug/l	97
6) Chloroethane	2.92	64	34818	20.25	ug/l	97
7) Trichlorofluoromethane	3.25	101	29512	25.48	ug/l	97
8) Diethyl Ether	3.67	74	20125	16.95	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	52109	23.13	ug/l	98
10) Methyl Iodide	4.26	142	74170	22.12	ug/l	99
11) Tert butyl alcohol	5.23	59	14600	87.49	ug/l #	82
12) 1,1-Dichloroethene	4.03	96	50891	23.01	ug/l	98
13) Acrolein	3.90	56	16810	67.31	ug/l	98
14) Allyl chloride	4.65	41	87986	22.88	ug/l	98
15) Acrylonitrile	5.37	53	56593	95.19	ug/l	99
16) Acetone	4.14	43	56685	106.10	ug/l	95
17) Carbon Disulfide	4.37	76	160899	22.19	ug/l	99
18) Methyl Acetate	4.67	43	28009	18.60	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	91259	19.97	ug/l	99
20) Methylene Chloride	4.90	84	75740	27.08	ug/l	93
21) trans-1,2-Dichloroethene	5.41	96	56140	21.44	ug/l	95
22) Diisopropyl ether	6.31	45	175008	20.70	ug/l	97
23) Vinyl Acetate	6.26	43	506034	98.05	ug/l	99
24) 1,1-Dichloroethane	6.21	63	106127	20.75	ug/l	99
25) 2-Butanone	7.18	43	77596	92.73	ug/l	97
26) 2,2-Dichloropropane	7.17	77	65236	23.52	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	58634	20.25	ug/l	97
28) Bromochloromethane	7.51	49	44509	19.54	ug/l	100
29) Tetrahydrofuran	7.54	42	47983	89.20	ug/l	97
30) Chloroform	7.68	83	105222	20.17	ug/l	98
31) Cyclohexane	7.95	56	97462	21.69	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	85231	21.47	ug/l	100
36) 1,1-Dichloropropene	8.08	75	86093	21.98	ug/l	99
37) Ethyl Acetate	7.26	43	35903	18.84	ug/l	99
38) Carbon Tetrachloride	8.07	117	80044	21.49	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	94541	22.03	ug/l	98
40) Benzene	8.32	78	236338	21.10	ug/l	99
41) Methacrylonitrile	7.49	41	21155	19.29	ug/l	94
42) 1,2-Dichloroethane	8.40	62	71702	19.78	ug/l	99
43) Isopropyl Acetate	8.43	43	65647	18.17	ug/l	98
44) Trichloroethene	9.09	130	59685	21.14	ug/l	99
45) 1,2-Dichloropropane	9.37	63	60069	20.63	ug/l	98
46) Dibromomethane	9.46	93	30294	19.78	ug/l	98
47) Bromodichloromethane	9.65	83	75541	20.05	ug/l	96
48) Methyl methacrylate	9.44	41	32214	18.72	ug/l	96
49) 1,4-Dioxane	9.49	88	8097	353.82	ug/l #	90
51) 4-Methyl-2-Pentanone	10.21	43	172566	92.31	ug/l	99
52) Toluene	10.39	92	150124	21.62	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	76067	20.22	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	87754	20.67	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	42178	19.83	ug/l	92
56) Ethyl methacrylate	10.65	69	49334	19.01	ug/l	96
57) 1,3-Dichloropropane	10.93	76	74174	20.01	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	107019	87.37	ug/l	100
59) 2-Hexanone	10.98	43	119461	93.06	ug/l	98
60) Dibromochloromethane	11.13	129	47101	18.97	ug/l	98
61) 1,2-Dibromoethane	11.24	107	38563	18.96	ug/l	99
64) Tetrachloroethene	10.87	164	50612	20.25	ug/l	97
65) Chlorobenzene	11.66	112	159170	21.37	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	53748	20.65	ug/l	100
67) Ethyl Benzene	11.74	91	278480	21.86	ug/l	99
68) m/p-Xylenes	11.84	106	215710	44.23	ug/l	99
69) o-Xylene	12.17	106	99087	22.02	ug/l	98
70) Styrene	12.18	104	165049	21.57	ug/l	100
71) Bromoform	12.35	173	27671	19.26	ug/l #	99
73) Isopropylbenzene	12.47	105	275973	22.89	ug/l	99
74) N-amyl acetate	12.28	43	61069	18.69	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	48327	19.77	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	32501m	18.59	ug/l	
77) Bromobenzene	12.75	156	64286	21.48	ug/l	99
78) n-propylbenzene	12.81	91	347468	22.96	ug/l	100
79) 2-Chlorotoluene	12.90	91	195449	22.48	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	237305	22.84	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	14132	19.78	ug/l	96
82) 4-Chlorotoluene	12.99	91	206578	22.10	ug/l	99
83) tert-Butylbenzene	13.21	119	197115	23.00	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	244044	22.61	ug/l	99
85) sec-Butylbenzene	13.39	105	291955	22.78	ug/l	100
86) p-Isopropyltoluene	13.51	119	259117	23.13	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	132115	21.79	ug/l	99
88) 1,4-Dichlorobenzene	13.59	146	130440	21.39	ug/l	99
89) n-Butylbenzene	13.83	91	249663	22.66	ug/l	99
90) Hexachloroethane	14.10	117	46353	21.48	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	115089	21.09	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7672	18.14	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	78574	21.27	ug/l	98
94) Hexachlorobutadiene	15.24	225	47339	22.40	ug/l	97
95) Naphthalene	15.38	128	130393	19.75	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	68682	20.76	ug/l	99

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

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