

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121718\
 Data File : VW007551.D
 Acq On : 15 Dec 2018 00:12
 Operator : SY/AP
 Sample : VW1217SBS02
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1217SBS02

Manual Integrations
 APPROVED

sam
 12/27/2018 8:20:24 AM

Quant Time: Dec 15 03:52:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	79507	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	132090	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	120112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	60852	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	44130	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	
35) Dibromofluoromethane	7.88	113	40168	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	
50) Toluene-d8	10.32	98	152988	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
62) 4-Bromofluorobenzene	12.62	95	59398	53.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.78%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.01	85	13258m	23.863	ug/l
3) Chloromethane	2.21	50	9893	21.261	ug/l
4) Vinyl Chloride	2.37	62	12064	22.093	ug/l
5) Bromomethane	2.78	94	8411	22.925	ug/l
6) Chloroethane	2.93	64	6481	21.561	ug/l
7) Trichlorofluoromethane	3.25	101	10325	21.031	ug/l
8) Diethyl Ether	3.68	74	8096	21.070	ug/l
9) 1,1,2-Trichlorotrifluoroet	4.06	101	16784	20.719	ug/l
10) Methyl Iodide	4.26	142	28000	20.870	ug/l
11) Tert butyl alcohol	5.17	59	6934	114.462	ug/l #
12) 1,1-Dichloroethene	4.03	96	16294	20.891	ug/l
13) Acrolein	3.89	56	4471	111.538	ug/l
14) Allyl chloride	4.66	41	22739	19.779	ug/l
15) Acrylonitrile	5.37	53	17405	107.450	ug/l
16) Acetone	4.12	43	16327	105.971	ug/l
17) Carbon Disulfide	4.37	76	48390	20.462	ug/l
18) Methyl Acetate	4.67	43	9367	22.400	ug/l
19) Methyl tert-butyl Ether	5.43	73	25841	21.963	ug/l
20) Methylene Chloride	4.91	84	19396	20.727	ug/l
21) trans-1,2-Dichloroethene	5.42	96	18129	20.779	ug/l
22) Diisopropyl ether	6.31	45	46330	20.966	ug/l
23) Vinyl Acetate	6.26	43	130964	105.957	ug/l
24) 1,1-Dichloroethane	6.21	63	30218	20.233	ug/l
25) 2-Butanone	7.17	43	22006	109.406	ug/l
26) 2,2-Dichloropropane	7.17	77	21244	21.493	ug/l
27) cis-1,2-Dichloroethene	7.17	96	20474	21.431	ug/l
28) Bromochloromethane	7.51	49	11934	21.243	ug/l
29) Tetrahydrofuran	7.52	42	13797	108.352	ug/l
30) Chloroform	7.67	83	34050	20.950	ug/l
31) Cyclohexane	7.95	56	27115	19.788	ug/l #
32) 1,1,1-Trichloroethane	7.87	97	29514	20.708	ug/l
36) 1,1-Dichloropropene	8.08	75	25909	21.502	ug/l
37) Ethyl Acetate	7.25	43	9684	21.608	ug/l
38) Carbon Tetrachloride	8.06	117	27769	21.180	ug/l

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	31731	21.747	ug/l	92
40) Benzene	8.32	78	69874	20.895	ug/l	94
41) Methacrylonitrile	7.48	41	4910	19.239	ug/l #	86
42) 1,2-Dichloroethane	8.40	62	23040	21.933	ug/l	99
43) Isopropyl Acetate	8.43	43	20346	22.983	ug/l	99
44) Trichloroethene	9.09	130	21488	22.503	ug/l	99
45) 1,2-Dichloropropane	9.37	63	16493	21.313	ug/l	99
46) Dibromomethane	9.46	93	9973	22.694	ug/l	95
47) Bromodichloromethane	9.64	83	24693	21.422	ug/l	98
48) Methyl methacrylate	9.44	41	9323	20.505	ug/l	90
49) 1,4-Dioxane	9.45	88	3257	456.775	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	46389	110.901	ug/l	99
52) Toluene	10.39	92	47985	22.174	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	25068	22.401	ug/l	93
54) cis-1,3-Dichloropropene	10.07	75	27495	21.254	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	13861	23.175	ug/l	97
56) Ethyl methacrylate	10.65	69	16874	23.472	ug/l	98
57) 1,3-Dichloropropane	10.93	76	22621	23.043	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	37767	113.923	ug/l	98
59) 2-Hexanone	10.97	43	32470	116.414	ug/l	98
60) Dibromochloromethane	11.13	129	16724	22.157	ug/l	96
61) 1,2-Dibromoethane	11.24	107	13697	23.174	ug/l	93
64) Tetrachloroethene	10.86	164	17160	19.867	ug/l	91
65) Chlorobenzene	11.66	112	53519	21.378	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.73	131	18880	21.412	ug/l	99
67) Ethyl Benzene	11.73	91	92367	21.460	ug/l	93
68) m/p-Xylenes	11.84	106	72002	43.030	ug/l	100
69) o-Xylene	12.17	106	33584	21.490	ug/l	96
70) Styrene	12.18	104	56303	22.305	ug/l	98
71) Bromoform	12.35	173	9455	20.950	ug/l #	98
73) Isopropylbenzene	12.47	105	95804	20.547	ug/l	100
74) N-amyl acetate	12.27	43	18242	21.527	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	15500	22.444	ug/l	95
76) 1,2,3-Trichloropropane	12.77	75	11903m	23.723	ug/l	
77) Bromobenzene	12.75	156	21719	21.014	ug/l	96
78) n-propylbenzene	12.80	91	111311	21.212	ug/l	100
79) 2-Chlorotoluene	12.90	91	65114	20.508	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	82957	21.174	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	4848	21.344	ug/l	94
82) 4-Chlorotoluene	12.99	91	69844	20.868	ug/l	97
83) tert-Butylbenzene	13.21	119	72098	20.885	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	84652	20.997	ug/l	99
85) sec-Butylbenzene	13.39	105	100506	21.327	ug/l	96
86) p-Isopropyltoluene	13.50	119	90029	21.265	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	43971	21.338	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	43653	21.072	ug/l	96
89) n-Butylbenzene	13.83	91	82030	20.900	ug/l	99
90) Hexachloroethane	14.10	117	15328	20.348	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	38865	21.057	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3061	22.087	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	26407	20.790	ug/l	96
94) Hexachlorobutadiene	15.24	225	13398	19.880	ug/l	99
95) Naphthalene	15.38	128	52229	21.495	ug/l	97
96) 1,2,3-Trichlorobenzene	15.56	180	23122	20.956	ug/l	96

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

