

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW121618\
 Data File : VW007499.D
 Acq On : 13 Dec 2018 22:05
 Operator : SY/AP
 Sample : VW1216SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS02

Manual Integrations
 APPROVED

MMDadoda
 12/24/2018 12:18:19 PM

Quant Time: Dec 14 04:38:53 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	80062	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	135214	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	122586	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	61891	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	43154	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
35) Dibromofluoromethane	7.88	113	40356	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	
50) Toluene-d8	10.32	98	152764	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
62) 4-Bromofluorobenzene	12.62	95	59848	53.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	13705m	24.496	ug/l	
3) Chloromethane	2.21	50	10573	22.565	ug/l	96
4) Vinyl Chloride	2.37	62	12666	23.034	ug/l	92
5) Bromomethane	2.78	94	8310	22.493	ug/l	95
6) Chloroethane	2.92	64	7152	23.628	ug/l	98
7) Trichlorofluoromethane	3.26	101	9793	19.809	ug/l	94
8) Diethyl Ether	3.68	74	8608	22.247	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	18058	22.137	ug/l	98
10) Methyl Iodide	4.26	142	28769	21.295	ug/l	99
11) Tert butyl alcohol	5.18	59	7008	114.881	ug/l #	88
12) 1,1-Dichloroethene	4.03	96	17788	22.649	ug/l	99
13) Acrolein	3.89	56	4642	115.001	ug/l	96
14) Allyl chloride	4.67	41	24510	21.172	ug/l	100
15) Acrylonitrile	5.37	53	18876	115.724	ug/l	98
16) Acetone	4.12	43	17080	110.090	ug/l	97
17) Carbon Disulfide	4.37	76	50807	21.335	ug/l	99
18) Methyl Acetate	4.67	43	10118	24.029	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	27378	23.108	ug/l	99
20) Methylene Chloride	4.91	84	20531	22.005	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	18575	21.142	ug/l	94
22) Diisopropyl ether	6.31	45	47804	21.483	ug/l	99
23) Vinyl Acetate	6.25	43	138313	111.127	ug/l	97
24) 1,1-Dichloroethane	6.21	63	31793	21.140	ug/l	97
25) 2-Butanone	7.17	43	23249	114.785	ug/l	98
26) 2,2-Dichloropropane	7.16	77	20516	20.612	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	20763	21.583	ug/l	98
28) Bromochloromethane	7.51	49	11831	20.914	ug/l	99
29) Tetrahydrofuran	7.53	42	15600	121.662	ug/l	100
30) Chloroform	7.67	83	34408	21.024	ug/l	96
31) Cyclohexane	7.95	56	29392	21.301	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	29147	20.308	ug/l	97
36) 1,1-Dichloropropene	8.08	75	26143	21.195	ug/l	100
37) Ethyl Acetate	7.25	43	10571	23.042	ug/l	99
38) Carbon Tetrachloride	8.07	117	28015	20.874	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	32908	22.033	ug/l	94
40) Benzene	8.32	78	71793	20.973	ug/l	99
41) Methacrylonitrile	7.48	41	6988	26.748	ug/l #	87
42) 1,2-Dichloroethane	8.40	62	22927	21.322	ug/l	99
43) Isopropyl Acetate	8.43	43	21089	23.272	ug/l	99
44) Trichloroethene	9.09	130	20861	21.341	ug/l	96
45) 1,2-Dichloropropane	9.37	63	17136	21.632	ug/l	95
46) Dibromomethane	9.46	93	10133	22.525	ug/l	95
47) Bromodichloromethane	9.65	83	25180	21.340	ug/l	94
48) Methyl methacrylate	9.44	41	10682	22.952	ug/l	100
49) 1,4-Dioxane	9.45	88	3235	443.207	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	52339	122.234	ug/l	97
52) Toluene	10.38	92	48276	21.793	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	25443	22.211	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	28796	21.745	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	14514	23.706	ug/l	97
56) Ethyl methacrylate	10.65	69	17734	24.099	ug/l	96
57) 1,3-Dichloropropane	10.93	76	23720	23.604	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	38188	112.531	ug/l	99
59) 2-Hexanone	10.97	43	35976	126.004	ug/l	97
60) Dibromochloromethane	11.13	129	17601	22.780	ug/l	98
61) 1,2-Dibromoethane	11.24	107	14501	23.967	ug/l	90
64) Tetrachloroethene	10.86	164	18201	20.647	ug/l	92
65) Chlorobenzene	11.66	112	55270	21.631	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.73	131	18947	21.055	ug/l	98
67) Ethyl Benzene	11.73	91	94940	21.612	ug/l	92
68) m/p-Xylenes	11.84	106	73615	43.106	ug/l	100
69) o-Xylene	12.17	106	34588	21.686	ug/l	96
70) Styrene	12.18	104	58001	22.514	ug/l	96
71) Bromoform	12.35	173	9924	21.546	ug/l #	99
73) Isopropylbenzene	12.47	105	98481	20.766	ug/l	99
74) N-amyl acetate	12.27	43	19952	23.149	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	16208	23.075	ug/l	95
76) 1,2,3-Trichloropropane	12.77	75	12475m	24.446	ug/l	
77) Bromobenzene	12.75	156	22239	21.156	ug/l	94
78) n-propylbenzene	12.81	91	114367	21.429	ug/l	100
79) 2-Chlorotoluene	12.90	91	67836	21.006	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	84501	21.206	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	5168	22.371	ug/l	96
82) 4-Chlorotoluene	12.99	91	71035	20.868	ug/l	98
83) tert-Butylbenzene	13.21	119	74903	21.333	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	85208	20.780	ug/l	99
85) sec-Butylbenzene	13.39	105	103456	21.584	ug/l	96
86) p-Isopropyltoluene	13.50	119	92331	21.443	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	44991	21.467	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	44458	21.100	ug/l	97
89) n-Butylbenzene	13.83	91	84951	21.281	ug/l	99
90) Hexachloroethane	14.10	117	15608	20.372	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	40602	21.629	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3177	22.539	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	27650	21.403	ug/l	93
94) Hexachlorobutadiene	15.24	225	13621	19.872	ug/l	98
95) Naphthalene	15.37	128	55888	22.614	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	23642	21.067	ug/l	97

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

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