

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121718\
 Data File : VW007550.D
 Acq On : 14 Dec 2018 23:46
 Operator : SY/AP
 Sample : VW1217SBS02
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1217SBS02

Manual Integrations
 APPROVED

apatel
 12/17/2018 1:45:26 PM

Quant Time: Dec 15 03:51:07 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	80048	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	134120	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	120743	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	60147	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	42852	48.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.50%	
35) Dibromofluoromethane	7.88	113	40496	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
50) Toluene-d8	10.32	98	154525	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
62) 4-Bromofluorobenzene	12.62	95	58664	52.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	12731	22.759	ug/l	97
3) Chloromethane	2.21	50	10387	22.171	ug/l	99
4) Vinyl Chloride	2.37	62	12996	23.639	ug/l	97
5) Bromomethane	2.78	94	8264	22.372	ug/l	92
6) Chloroethane	2.93	64	6965	23.015	ug/l	96
7) Trichlorofluoromethane	3.26	101	10897	22.046	ug/l	96
8) Diethyl Ether	3.68	74	8296	21.444	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	17017	20.865	ug/l	98
10) Methyl Iodide	4.26	142	29142	21.574	ug/l	99
11) Tert butyl alcohol	5.18	59	6662	109.228	ug/l	98
12) 1,1-Dichloroethene	4.03	96	16577	21.110	ug/l	98
13) Acrolein	3.89	56	4377	108.455	ug/l	94
14) Allyl chloride	4.67	41	24046	20.775	ug/l	98
15) Acrylonitrile	5.37	53	16861	103.388	ug/l	99
16) Acetone	4.12	43	16328	105.261	ug/l	95
17) Carbon Disulfide	4.37	76	50313	21.132	ug/l	97
18) Methyl Acetate	4.67	43	8735	20.748	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	27557	23.263	ug/l	96
20) Methylene Chloride	4.91	84	20052	21.397	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	18313	20.848	ug/l	91
22) Diisopropyl ether	6.31	45	46763	21.019	ug/l	95
23) Vinyl Acetate	6.26	43	130610	104.957	ug/l	99
24) 1,1-Dichloroethane	6.21	63	31155	20.719	ug/l	98
25) 2-Butanone	7.17	43	20560	101.527	ug/l	98
26) 2,2-Dichloropropane	7.17	77	21998	22.105	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	20402	21.212	ug/l	99
28) Bromochloromethane	7.51	49	10981	19.415	ug/l	100
29) Tetrahydrofuran	7.53	42	13143	102.518	ug/l	97
30) Chloroform	7.68	83	34141	20.864	ug/l	98
31) Cyclohexane	7.95	56	27939	20.252	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	30891	21.527	ug/l	99
36) 1,1-Dichloropropene	8.08	75	26285	21.484	ug/l	99
37) Ethyl Acetate	7.25	43	9855	21.657	ug/l	96
38) Carbon Tetrachloride	8.06	117	29033	21.809	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	31974	21.582	ug/l	92
40) Benzene	8.32	78	73356	21.605	ug/l	99
41) Methacrylonitrile	7.48	41	6156	23.756	ug/l #	93
42) 1,2-Dichloroethane	8.40	62	23138	21.693	ug/l	100
43) Isopropyl Acetate	8.43	43	19384	21.565	ug/l	99
44) Trichloroethene	9.09	130	20662	21.310	ug/l	97
45) 1,2-Dichloropropane	9.37	63	16971	21.599	ug/l	98
46) Dibromomethane	9.46	93	9885	22.153	ug/l	96
47) Bromodichloromethane	9.65	83	25408	21.709	ug/l	97
48) Methyl methacrylate	9.43	41	9536	20.656	ug/l	96
49) 1,4-Dioxane	9.45	88	3350	462.706	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	46167	108.700	ug/l	100
52) Toluene	10.39	92	49685	22.612	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	25329	22.291	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	28698	21.848	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	13824	22.763	ug/l	94
56) Ethyl methacrylate	10.65	69	16736	22.928	ug/l	98
57) 1,3-Dichloropropane	10.93	76	23479	23.555	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	33612	99.855	ug/l	100
59) 2-Hexanone	10.97	43	31792	112.258	ug/l	100
60) Dibromochloromethane	11.13	129	17535	22.880	ug/l	98
61) 1,2-Dibromoethane	11.24	107	13429	22.376	ug/l	94
64) Tetrachloroethene	10.86	164	17663	20.342	ug/l	92
65) Chlorobenzene	11.66	112	54933	21.828	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	19291	21.764	ug/l	99
67) Ethyl Benzene	11.73	91	96921	22.400	ug/l	94
68) m/p-Xylenes	11.84	106	74617	44.360	ug/l	99
69) o-Xylene	12.17	106	35366	22.512	ug/l	100
70) Styrene	12.18	104	57667	22.726	ug/l	98
71) Bromoform	12.35	173	9503	20.946	ug/l #	97
73) Isopropylbenzene	12.47	105	98224	21.313	ug/l	99
74) N-amyl acetate	12.27	43	18226	21.760	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	14943	21.891	ug/l	96
76) 1,2,3-Trichloropropane	12.77	75	11543m	23.276	ug/l	
77) Bromobenzene	12.75	156	21548	21.093	ug/l	94
78) n-propylbenzene	12.80	91	113480	21.879	ug/l	100
79) 2-Chlorotoluene	12.90	91	66992	21.346	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	84597	21.846	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	4720	21.024	ug/l	95
82) 4-Chlorotoluene	12.99	91	70990	21.459	ug/l	98
83) tert-Butylbenzene	13.21	119	74290	21.772	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	85375	21.424	ug/l	99
85) sec-Butylbenzene	13.39	105	102181	21.937	ug/l	95
86) p-Isopropyltoluene	13.51	119	91292	21.816	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	44319	21.759	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	44600	21.781	ug/l	96
89) n-Butylbenzene	13.83	91	82130	21.171	ug/l	98
90) Hexachloroethane	14.10	117	15811	21.235	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	39038	21.399	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2842	20.747	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	26173	20.847	ug/l	97
94) Hexachlorobutadiene	15.24	225	14034	21.068	ug/l	96
95) Naphthalene	15.37	128	50840	21.168	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	22859	20.960	ug/l	97

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

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