

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092618\
 Data File : VW005682.D
 Acq On : 27 Sep 2018 05:45
 Operator : VA/AP
 Sample : VW092618SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW092618SBS02

Manual Integrations
 APPROVED

apatel
 9/27/2018 10:34:01 AM

Quant Time: Sep 27 07:59:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 09:05:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	235240	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	368201	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	347692	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	186868	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	138921	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
35) Dibromofluoromethane	7.89	113	118663	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	
50) Toluene-d8	10.33	98	484720	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
62) 4-Bromofluorobenzene	12.62	95	179579	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	28232	17.859	ug/l	98
3) Chloromethane	2.21	50	33686	17.814	ug/l	100
4) Vinyl Chloride	2.37	62	49508	21.903	ug/l	99
5) Bromomethane	2.78	94	30689	20.090	ug/l	94
6) Chloroethane	2.93	64	28576	19.702	ug/l	97
7) Trichlorofluoromethane	3.26	101	29296	16.571	ug/l	100
8) Diethyl Ether	3.68	74	24573	21.278	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	45800	20.466	ug/l	98
10) Methyl Iodide	4.26	142	73524	21.363	ug/l	98
11) Tert butyl alcohol	5.21	59	15813	109.176	ug/l	98
12) 1,1-Dichloroethene	4.03	96	44596	20.815	ug/l	96
13) Acrolein	3.89	56	10638	99.316	ug/l	100
14) Allyl chloride	4.67	41	77451	20.714	ug/l	97
15) Acrylonitrile	5.37	53	54228	105.762	ug/l	99
16) Acetone	4.14	43	47339	103.113	ug/l	100
17) Carbon Disulfide	4.38	76	137985	20.613	ug/l	99
18) Methyl Acetate	4.68	43	28183	21.457	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	70889	21.437	ug/l	95
20) Methylene Chloride	4.92	84	62942	24.961	ug/l	100
21) trans-1,2-Dichloroethene	5.42	96	49419	21.060	ug/l	98
22) Diisopropyl ether	6.31	45	160383	22.096	ug/l	100
23) Vinyl Acetate	6.26	43	434913	104.833	ug/l	100
24) 1,1-Dichloroethane	6.22	63	95706	21.342	ug/l	100
25) 2-Butanone	7.18	43	71930	106.866	ug/l	93
26) 2,2-Dichloropropane	7.17	77	57670	18.421	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	55492	21.440	ug/l	99
28) Bromochloromethane	7.52	49	39115	22.020	ug/l	99
29) Tetrahydrofuran	7.54	42	44868	106.702	ug/l	99
30) Chloroform	7.68	83	97156	20.985	ug/l	99
31) Cyclohexane	7.96	56	84084	19.571	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	83182	20.338	ug/l	99
36) 1,1-Dichloropropene	8.09	75	75336	20.325	ug/l	99
37) Ethyl Acetate	7.26	43	32113	20.588	ug/l	99
38) Carbon Tetrachloride	8.07	117	76961	19.377	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	83134	19.010	ug/l	98
40) Benzene	8.33	78	219495	20.900	ug/l	99
41) Methacrylonitrile	7.49	41	18285	20.600	ug/l	97
42) 1,2-Dichloroethane	8.40	62	67803	20.165	ug/l	97
43) Isopropyl Acetate	8.43	43	62653	20.430	ug/l	99
44) Trichloroethene	9.10	130	53970	20.077	ug/l	90
45) 1,2-Dichloropropane	9.37	63	50455	19.528	ug/l	97
46) Dibromomethane	9.46	93	25432	19.700	ug/l	99
47) Bromodichloromethane	9.65	83	66316	19.123	ug/l	98
48) Methyl methacrylate	9.44	41	28311	19.436	ug/l	96
49) 1,4-Dioxane	9.47	88	8078	393.583	ug/l #	100
51) 4-Methyl-2-Pentanone	10.21	43	161940	104.843	ug/l	99
52) Toluene	10.39	92	136126	20.774	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	68041	19.572	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	77577	19.917	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	38641	21.087	ug/l	98
56) Ethyl methacrylate	10.65	69	47220	20.875	ug/l	98
57) 1,3-Dichloropropane	10.94	76	68023	20.945	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	106190	103.558	ug/l	98
59) 2-Hexanone	10.98	43	108360	103.271	ug/l	100
60) Dibromochloromethane	11.13	129	46833	21.152	ug/l	99
61) 1,2-Dibromoethane	11.24	107	36250	21.217	ug/l	98
64) Tetrachloroethene	10.87	164	53021	21.486	ug/l	97
65) Chlorobenzene	11.66	112	152341	20.639	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.74	131	53031	19.963	ug/l	97
67) Ethyl Benzene	11.74	91	264579	20.195	ug/l	98
68) m/p-Xylenes	11.85	106	202135	40.837	ug/l	99
69) o-Xylene	12.17	106	94270	20.336	ug/l	99
70) Styrene	12.19	104	158734	20.347	ug/l	100
71) Bromoform	12.35	173	28446	20.173	ug/l #	100
73) Isopropylbenzene	12.47	105	266318	20.551	ug/l	100
74) N-amyl acetate	12.28	43	59815	20.384	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	45798	21.277	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	31786m	19.955	ug/l	
77) Bromobenzene	12.76	156	62506	20.580	ug/l	99
78) n-propylbenzene	12.81	91	324246	20.667	ug/l	100
79) 2-Chlorotoluene	12.90	91	188497	20.766	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	235475	20.897	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	13160	18.607	ug/l	96
82) 4-Chlorotoluene	12.99	91	198251	20.671	ug/l	100
83) tert-Butylbenzene	13.21	119	195400	20.641	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	236496	20.798	ug/l	99
85) sec-Butylbenzene	13.39	105	280930	20.461	ug/l	100
86) p-Isopropyltoluene	13.51	119	252697	20.534	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	128082	20.623	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	124259	20.117	ug/l	99
89) n-Butylbenzene	13.83	91	232883	20.063	ug/l	99
90) Hexachloroethane	14.10	117	44975	20.164	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	115608	21.087	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8108	19.771	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	80846	20.672	ug/l	99
94) Hexachlorobutadiene	15.24	225	49869	19.682	ug/l	98
95) Naphthalene	15.38	128	137128	20.845	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	72106	20.921	ug/l	99

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

