

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092418\
 Data File : VW005578.D
 Acq On : 24 Sep 2018 12:21
 Operator : VA/AP
 Sample : VW0924SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBS01

Manual Integrations
 APPROVED

apatel
 9/25/2018 11:55:13 AM

Quant Time: Sep 24 16:19:07 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	214307	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	311128	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	285386	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	155734	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	125385	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
35) Dibromofluoromethane	7.89	113	107609	55.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.00%	
50) Toluene-d8	10.33	98	446762	56.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.16%	
62) 4-Bromofluorobenzene	12.63	95	160905	54.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	31750	22.864	ug/l	97
3) Chloromethane	2.21	50	31325	18.183	ug/l	99
4) Vinyl Chloride	2.37	62	45207	21.953	ug/l	98
5) Bromomethane	2.79	94	29884	21.474	ug/l	97
6) Chloroethane	2.93	64	28163	21.314	ug/l	96
7) Trichlorofluoromethane	3.26	101	38870	24.134	ug/l	98
8) Diethyl Ether	3.68	74	20226	19.225	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	45352	22.245	ug/l	96
10) Methyl Iodide	4.26	142	65870	21.009	ug/l	99
11) Tert butyl alcohol	5.21	59	12182	91.953	ug/l #	89
12) 1,1-Dichloroethene	4.04	96	41979	21.508	ug/l	97
13) Acrolein	3.90	56	10547	109.970	ug/l	95
14) Allyl chloride	4.67	41	66212	19.438	ug/l	96
15) Acrylonitrile	5.37	53	40675	87.078	ug/l	98
16) Acetone	4.14	43	45878	110.318	ug/l	97
17) Carbon Disulfide	4.37	76	131780	21.609	ug/l	98
18) Methyl Acetate	4.68	43	19416	16.226	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	58333	19.363	ug/l	94
20) Methylene Chloride	4.91	84	48281	20.276	ug/l	94
21) trans-1,2-Dichloroethene	5.43	96	43418	20.310	ug/l	99
22) Diisopropyl ether	6.32	45	127838	19.333	ug/l	98
23) Vinyl Acetate	6.26	43	349947	92.592	ug/l	100
24) 1,1-Dichloroethane	6.21	63	82174	20.114	ug/l	99
25) 2-Butanone	7.18	43	52057	84.896	ug/l	97
26) 2,2-Dichloropropane	7.17	77	62556	21.933	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	47401	20.103	ug/l	100
28) Bromochloromethane	7.51	49	29942	18.502	ug/l	97
29) Tetrahydrofuran	7.54	42	31350	81.837	ug/l	98
30) Chloroform	7.68	83	85005	20.154	ug/l	99
31) Cyclohexane	7.96	56	79210	20.237	ug/l	97
32) 1,1,1-Trichloroethane	7.88	97	79638	21.374	ug/l	99
36) 1,1-Dichloropropene	8.09	75	68383	21.834	ug/l	99
37) Ethyl Acetate	7.26	43	24058	18.253	ug/l	99
38) Carbon Tetrachloride	8.07	117	77273	23.024	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	81611	22.086	ug/l	99
40) Benzene	8.33	78	185937	20.953	ug/l	99
41) Methacrylonitrile	7.49	41	13341	17.787	ug/l	94
42) 1,2-Dichloroethane	8.40	62	57875	20.370	ug/l	99
43) Isopropyl Acetate	8.43	43	45615	17.603	ug/l	97
44) Trichloroethene	9.10	130	49417	21.756	ug/l	96
45) 1,2-Dichloropropane	9.38	63	43411	19.884	ug/l	98
46) Dibromomethane	9.46	93	21757	19.945	ug/l	99
47) Bromodichloromethane	9.65	83	59475	20.297	ug/l	99
48) Methyl methacrylate	9.44	41	22121	17.972	ug/l	94
49) 1,4-Dioxane	9.47	88	6709	386.844	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	114265	87.548	ug/l	99
52) Toluene	10.39	92	120135	21.697	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	59717	20.329	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	69521	21.122	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	30815	19.901	ug/l	97
56) Ethyl methacrylate	10.65	69	35053	18.338	ug/l	99
57) 1,3-Dichloropropane	10.94	76	52478	19.123	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	84196	97.171	ug/l	97
59) 2-Hexanone	10.98	43	81036	91.397	ug/l	99
60) Dibromochloromethane	11.13	129	38245	20.442	ug/l	100
61) 1,2-Dibromoethane	11.24	107	28390	19.665	ug/l	96
64) Tetrachloroethene	10.87	164	44055	21.750	ug/l	96
65) Chlorobenzene	11.66	112	127617	21.064	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.74	131	45664	20.942	ug/l	98
67) Ethyl Benzene	11.74	91	229269	21.320	ug/l	97
68) m/p-Xylenes	11.85	106	178543	43.946	ug/l	100
69) o-Xylene	12.17	106	80476	21.150	ug/l	99
70) Styrene	12.19	104	134696	21.035	ug/l	100
71) Bromoform	12.35	173	23465	20.274	ug/l #	100
73) Isopropylbenzene	12.47	105	236686	21.916	ug/l	99
74) N-amyl acetate	12.28	43	42152	17.237	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.72	83	34031	18.971	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	29871m	22.501	ug/l	
77) Bromobenzene	12.76	156	53555	21.158	ug/l	97
78) n-propylbenzene	12.81	91	286384	21.903	ug/l	99
79) 2-Chlorotoluene	12.90	91	164033	21.684	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	206111	21.948	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	11775	19.978	ug/l	97
82) 4-Chlorotoluene	12.99	91	173737	21.737	ug/l	99
83) tert-Butylbenzene	13.21	119	172532	21.869	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	210890	22.254	ug/l	99
85) sec-Butylbenzene	13.39	105	255279	22.310	ug/l	99
86) p-Isopropyltoluene	13.51	119	231728	22.594	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	110620	21.372	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	110426	21.452	ug/l	100
89) n-Butylbenzene	13.83	91	213860	22.107	ug/l	99
90) Hexachloroethane	14.10	117	39810	21.416	ug/l	95
91) 1,2-Dichlorobenzene	13.88	146	98230	21.499	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6321	18.495	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	69492	21.321	ug/l	100
94) Hexachlorobutadiene	15.24	225	47799	22.637	ug/l	100
95) Naphthalene	15.38	128	106643	19.452	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	60580	21.090	ug/l	98

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

