

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092418\
 Data File : VW005579.D
 Acq On : 24 Sep 2018 12:47
 Operator : VA/AP
 Sample : VW0924SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBSD01

Manual Integrations
 APPROVED

apatel
 9/25/2018 11:55:17 AM

Quant Time: Sep 24 16:20:32 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	7.96	168	222212	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	328389	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	300181	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	164376	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	123583	47.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.42%	
35) Dibromofluoromethane	7.89	113	104438	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
50) Toluene-d8	10.33	98	431565	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
62) 4-Bromofluorobenzene	12.63	95	156633	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	30267	20.739	ug/l	97
3) Chloromethane	2.21	50	29340	16.425	ug/l	99
4) Vinyl Chloride	2.37	62	43481	20.364	ug/l	98
5) Bromomethane	2.79	94	28780	19.945	ug/l	99
6) Chloroethane	2.93	64	26135	19.075	ug/l	95
7) Trichlorofluoromethane	3.26	101	36987	22.148	ug/l	98
8) Diethyl Ether	3.68	74	19911	18.252	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.07	101	42506	20.107	ug/l	100
10) Methyl Iodide	4.27	142	64008	19.689	ug/l	99
11) Tert butyl alcohol	5.21	59	12018	87.372	ug/l #	84
12) 1,1-Dichloroethene	4.04	96	40247	19.887	ug/l	94
13) Acrolein	3.90	56	9353	90.960	ug/l	100
14) Allyl chloride	4.67	41	65031	18.412	ug/l	98
15) Acrylonitrile	5.38	53	41776	86.253	ug/l	99
16) Acetone	4.14	43	43725	100.608	ug/l	94
17) Carbon Disulfide	4.38	76	124653	19.713	ug/l	100
18) Methyl Acetate	4.68	43	19516	15.729	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	58331	18.673	ug/l	100
20) Methylene Chloride	4.92	84	48304	19.399	ug/l	98
21) trans-1,2-Dichloroethene	5.43	96	42275	19.072	ug/l	97
22) Diisopropyl ether	6.32	45	125255	18.268	ug/l	95
23) Vinyl Acetate	6.26	43	350614	89.468	ug/l	98
24) 1,1-Dichloroethane	6.23	63	80221	18.937	ug/l	98
25) 2-Butanone	7.18	43	52939	83.263	ug/l	100
26) 2,2-Dichloropropane	7.17	77	59668	20.176	ug/l	99
27) cis-1,2-Dichloroethene	7.18	96	46443	18.996	ug/l	99
28) Bromochloromethane	7.51	49	27871	16.610	ug/l	96
29) Tetrahydrofuran	7.54	42	32761	82.478	ug/l	99
30) Chloroform	7.68	83	83612	19.118	ug/l	98
31) Cyclohexane	7.96	56	79161	19.505	ug/l	97
32) 1,1,1-Trichloroethane	7.88	97	76736	19.862	ug/l	99
36) 1,1-Dichloropropene	8.09	75	67664	20.469	ug/l	99
37) Ethyl Acetate	7.26	43	23783	17.096	ug/l	97
38) Carbon Tetrachloride	8.07	117	73277	20.686	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	78776	20.198	ug/l	96
40) Benzene	8.34	78	180026	19.220	ug/l	98
41) Methacrylonitrile	7.49	41	14305	18.070	ug/l	99
42) 1,2-Dichloroethane	8.41	62	58236	19.420	ug/l	99
43) Isopropyl Acetate	8.43	43	46215	16.897	ug/l	98
44) Trichloroethene	9.10	130	47973	20.010	ug/l	98
45) 1,2-Dichloropropane	9.38	63	42953	18.640	ug/l	99
46) Dibromomethane	9.46	93	21807	18.940	ug/l	98
47) Bromodichloromethane	9.65	83	59405	19.207	ug/l	97
48) Methyl methacrylate	9.45	41	23336	17.963	ug/l	96
49) 1,4-Dioxane	9.48	88	6185	337.885	ug/l #	95
51) 4-Methyl-2-Pentanone	10.22	43	116199	84.350	ug/l	100
52) Toluene	10.39	92	116616	19.954	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	59177	19.086	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	67735	19.498	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	30827	18.862	ug/l	98
56) Ethyl methacrylate	10.65	69	35502	17.597	ug/l	99
57) 1,3-Dichloropropane	10.94	76	52951	18.281	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	84466	92.359	ug/l	97
59) 2-Hexanone	10.98	43	81821	87.432	ug/l	99
60) Dibromochloromethane	11.13	129	38930	19.715	ug/l	98
61) 1,2-Dibromoethane	11.24	107	28828	18.919	ug/l	99
64) Tetrachloroethene	10.87	164	42574	19.983	ug/l	96
65) Chlorobenzene	11.66	112	124608	19.554	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	45764	19.954	ug/l	99
67) Ethyl Benzene	11.74	91	227342	20.099	ug/l	100
68) m/p-Xylenes	11.85	106	175767	41.130	ug/l	99
69) o-Xylene	12.17	106	80299	20.064	ug/l	97
70) Styrene	12.19	104	133198	19.776	ug/l	99
71) Bromoform	12.35	173	23251	19.099	ug/l #	99
73) Isopropylbenzene	12.48	105	230267	20.201	ug/l	100
74) N-amyl acetate	12.28	43	43579	16.883	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.72	83	34154	18.038	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	25533m	18.222	ug/l	
77) Bromobenzene	12.76	156	52978	19.829	ug/l	97
78) n-propylbenzene	12.81	91	281736	20.415	ug/l	98
79) 2-Chlorotoluene	12.90	91	155553	19.482	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	195890	19.763	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.52	75	11780	18.935	ug/l	99
82) 4-Chlorotoluene	12.99	91	169019	20.035	ug/l	100
83) tert-Butylbenzene	13.21	119	161722	19.421	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	203137	20.309	ug/l	99
85) sec-Butylbenzene	13.39	105	245376	20.317	ug/l	99
86) p-Isopropyltoluene	13.51	119	227450	21.011	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	105932	19.391	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	108464	19.963	ug/l	98
89) n-Butylbenzene	13.83	91	209591	20.527	ug/l	99
90) Hexachloroethane	14.10	117	39550	20.158	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	97303	20.176	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6519	18.071	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	69861	20.307	ug/l	98
94) Hexachlorobutadiene	15.25	225	45443	20.389	ug/l	100
95) Naphthalene	15.38	128	110923	19.169	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	60683	20.016	ug/l	99

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

