

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092319\
 Data File : VW013248.D
 Acq On : 24 Sep 2019 00:44
 Operator : SY/VA
 Sample : VW0923SBSD02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:35:46 AM

Quant Time: Sep 24 08:12:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	315592	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	472072	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	418908	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	217579	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	141092	54.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.56%	
35) Dibromofluoromethane	7.88	113	141109	54.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.70%	
50) Toluene-d8	10.32	98	580992	53.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.94%	
62) 4-Bromofluorobenzene	12.62	95	203282	54.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	38287	21.032	ug/l	96
3) Chloromethane	2.21	50	52735	22.535	ug/l	98
4) Vinyl Chloride	2.36	62	63017	20.888	ug/l	99
5) Bromomethane	2.76	94	41740	21.832	ug/l	92
6) Chloroethane	2.92	64	37630	21.161	ug/l	99
7) Trichlorofluoromethane	3.25	101	27693	15.919	ug/l	99
8) Diethyl Ether	3.68	74	33124	22.292	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	58797	20.760	ug/l	99
10) Methyl Iodide	4.27	142	94102	21.430	ug/l	100
11) Tert butyl alcohol	5.15	59	24373	126.456	ug/l	95
12) 1,1-Dichloroethene	4.04	96	62152	21.192	ug/l	97
13) Acrolein	3.89	56	14882	100.371	ug/l	98
14) Allyl chloride	4.67	41	93804	20.097	ug/l	98
15) Acrylonitrile	5.36	53	75896	118.338	ug/l	99
16) Acetone	4.12	43	57404	98.828	ug/l	100
17) Carbon Disulfide	4.38	76	175516	20.705	ug/l	100
18) Methyl Acetate	4.67	43	42499	26.029	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	99402	22.114	ug/l	100
20) Methylene Chloride	4.92	84	84429	27.090	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	68623	21.648	ug/l	95
22) Diisopropyl ether	6.31	45	198262	22.337	ug/l	98
23) Vinyl Acetate	6.25	43	562040	106.737	ug/l	99
24) 1,1-Dichloroethane	6.21	63	114443	21.367	ug/l	99
25) 2-Butanone	7.17	43	97785	112.145	ug/l	99
26) 2,2-Dichloropropane	7.16	77	62731	17.403	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	72826	21.770	ug/l	99
28) Bromochloromethane	7.51	49	39089	19.016	ug/l	97
29) Tetrahydrofuran	7.52	42	66432	124.233	ug/l	98
30) Chloroform	7.67	83	112983	21.546	ug/l	98
31) Cyclohexane	7.95	56	114331	20.478	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	89854	21.157	ug/l	99
36) 1,1-Dichloropropene	8.08	75	90882	19.876	ug/l	99
37) Ethyl Acetate	7.25	43	43957	22.620	ug/l	98
38) Carbon Tetrachloride	8.07	117	83336	20.332	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	116594	19.843	ug/l	98
40) Benzene	8.32	78	271564	21.293	ug/l	98
41) Methacrylonitrile	7.48	41	27281	23.522	ug/l	99
42) 1,2-Dichloroethane	8.40	62	72580	21.170	ug/l	99
43) Isopropyl Acetate	8.42	43	81982	22.012	ug/l	98
44) Trichloroethene	9.09	130	74274	20.757	ug/l	95
45) 1,2-Dichloropropane	9.37	63	66245	21.275	ug/l	100
46) Dibromomethane	9.46	93	33854	22.395	ug/l	99
47) Bromodichloromethane	9.64	83	80518	20.932	ug/l	98
48) Methyl methacrylate	9.43	41	38121	21.767	ug/l	97
49) 1,4-Dioxane	9.44	88	11348	500.099	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	214685	114.981	ug/l	99
52) Toluene	10.38	92	175071	21.419	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	82129	20.782	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	98439	20.486	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	49277	21.809	ug/l	97
56) Ethyl methacrylate	10.65	69	67657	22.880	ug/l	99
57) 1,3-Dichloropropane	10.93	76	87207	22.117	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	148706	108.627	ug/l	99
59) 2-Hexanone	10.96	43	148062	115.261	ug/l	99
60) Dibromochloromethane	11.13	129	55322	21.563	ug/l	99
61) 1,2-Dibromoethane	11.23	107	47191	21.967	ug/l	96
64) Tetrachloroethene	10.86	164	70458	22.168	ug/l	96
65) Chlorobenzene	11.65	112	183096	20.931	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	63430	21.225	ug/l	99
67) Ethyl Benzene	11.73	91	327045	20.634	ug/l	98
68) m/p-Xylenes	11.84	106	255195	42.253	ug/l	99
69) o-Xylene	12.16	106	118614	21.123	ug/l	97
70) Styrene	12.18	104	203666	21.126	ug/l	99
71) Bromoform	12.35	173	33878	21.458	ug/l #	100
73) Isopropylbenzene	12.46	105	324824	20.210	ug/l	99
74) N-amyl acetate	12.27	43	76410	21.424	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	56471	21.008	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	44924m	23.380	ug/l	
77) Bromobenzene	12.74	156	78137	20.515	ug/l	97
78) n-propylbenzene	12.80	91	377681	20.075	ug/l	100
79) 2-Chlorotoluene	12.89	91	218157	20.698	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	276420	20.459	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	17173	20.054	ug/l	98
82) 4-Chlorotoluene	12.99	91	226966	20.420	ug/l	100
83) tert-Butylbenzene	13.21	119	241611	20.374	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	280648	20.875	ug/l	98
85) sec-Butylbenzene	13.38	105	332003	20.307	ug/l	100
86) p-Isopropyltoluene	13.50	119	310031	20.445	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	151146	20.619	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	151686	21.099	ug/l	100
89) n-Butylbenzene	13.82	91	278146	20.088	ug/l	99
90) Hexachloroethane	14.09	117	52282	20.523	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	135993	21.444	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	8908	21.666	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	95889	21.101	ug/l	99
94) Hexachlorobutadiene	15.23	225	63200	20.329	ug/l	97
95) Naphthalene	15.36	128	166296	22.375	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	85230	21.706	ug/l	100

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

