

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092419\
 Data File : VW013269.D
 Acq On : 24 Sep 2019 12:10
 Operator : SY/VA
 Sample : VW0924SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/26/2019 12:37:35 AM

Quant Time: Sep 25 07:39:47 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	332029	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	472967	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	413927	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	207423	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	131166	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	
35) Dibromofluoromethane	7.88	113	126350	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	
50) Toluene-d8	10.32	98	531048	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	
62) 4-Bromofluorobenzene	12.62	95	186354	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	39497	20.622	ug/l	96
3) Chloromethane	2.21	50	48435	19.673	ug/l	98
4) Vinyl Chloride	2.36	62	62592	19.720	ug/l	100
5) Bromomethane	2.77	94	38547	19.164	ug/l	97
6) Chloroethane	2.90	64	34038	18.193	ug/l	98
7) Trichlorofluoromethane	3.24	101	29785	16.274	ug/l	100
8) Diethyl Ether	3.68	74	32459	20.763	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.05	101	58497	19.632	ug/l	99
10) Methyl Iodide	4.26	142	88014	19.051	ug/l	99
11) Tert butyl alcohol	5.21	59	22413	109.203	ug/l	95
12) 1,1-Dichloroethene	4.03	96	60128	19.487	ug/l	94
13) Acrolein	3.89	56	17521	112.319	ug/l	97
14) Allyl chloride	4.66	41	95650	19.478	ug/l	99
15) Acrylonitrile	5.37	53	83703	124.049	ug/l	98
16) Acetone	4.14	43	72839	119.193	ug/l	98
17) Carbon Disulfide	4.37	76	165309	18.535	ug/l	98
18) Methyl Acetate	4.67	43	44195	25.728	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	101367	21.435	ug/l	96
20) Methylene Chloride	4.91	84	66021	19.343	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	65405	19.612	ug/l	95
22) Diisopropyl ether	6.31	45	188726	20.210	ug/l	98
23) Vinyl Acetate	6.25	43	602492	108.755	ug/l	98
24) 1,1-Dichloroethane	6.21	63	110084	19.536	ug/l	99
25) 2-Butanone	7.17	43	108750	118.547	ug/l	93
26) 2,2-Dichloropropane	7.17	77	69977	18.667	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	69375	19.712	ug/l	100
28) Bromochloromethane	7.51	49	35942	16.619	ug/l	99
29) Tetrahydrofuran	7.53	42	72698	129.221	ug/l	98
30) Chloroform	7.67	83	106365	19.280	ug/l	100
31) Cyclohexane	7.95	56	117290	19.968	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	88094	19.716	ug/l	99
36) 1,1-Dichloropropene	8.08	75	92481	20.188	ug/l	100
37) Ethyl Acetate	7.25	43	48068	24.689	ug/l	99
38) Carbon Tetrachloride	8.07	117	80156	19.519	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	120004	20.384	ug/l	98
40) Benzene	8.32	78	256734	20.092	ug/l	98
41) Methacrylonitrile	7.48	41	28529	24.552	ug/l	95
42) 1,2-Dichloroethane	8.40	62	69755	20.308	ug/l	98
43) Isopropyl Acetate	8.42	43	86900	23.288	ug/l	98
44) Trichloroethene	9.09	130	69595	19.412	ug/l	100
45) 1,2-Dichloropropane	9.37	63	63710	20.422	ug/l	97
46) Dibromomethane	9.46	93	33067	21.833	ug/l	99
47) Bromodichloromethane	9.64	83	74087	19.224	ug/l #	98
48) Methyl methacrylate	9.43	41	44265	25.228	ug/l	94
49) 1,4-Dioxane	9.47	88	12431	546.789	ug/l #	92
51) 4-Methyl-2-Pentanone	10.21	43	232961	124.533	ug/l	99
52) Toluene	10.38	92	165287	20.183	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	82433	20.819	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	98626	20.487	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	48962	21.628	ug/l	95
56) Ethyl methacrylate	10.64	69	67809	22.888	ug/l	100
57) 1,3-Dichloropropane	10.93	76	85560	21.659	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	148751	108.454	ug/l	98
59) 2-Hexanone	10.97	43	165736	128.775	ug/l	100
60) Dibromochloromethane	11.13	129	53239	20.712	ug/l	100
61) 1,2-Dibromoethane	11.23	107	47177	21.918	ug/l	99
64) Tetrachloroethene	10.86	164	62153	19.790	ug/l	96
65) Chlorobenzene	11.66	112	169113	19.565	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	59756	20.236	ug/l	99
67) Ethyl Benzene	11.73	91	314601	20.088	ug/l	99
68) m/p-Xylenes	11.84	106	237787	39.844	ug/l	98
69) o-Xylene	12.16	106	110933	19.993	ug/l	99
70) Styrene	12.18	104	193830	20.348	ug/l	99
71) Bromoform	12.35	173	33439	21.435	ug/l	97
73) Isopropylbenzene	12.46	105	312463	20.392	ug/l	100
74) N-amyl acetate	12.27	43	78682	23.141	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	58762	22.931	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	45885m	25.049	ug/l	
77) Bromobenzene	12.74	156	72406	19.941	ug/l	95
78) n-propylbenzene	12.80	91	364187	20.305	ug/l	100
79) 2-Chlorotoluene	12.89	91	201484	20.052	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	260319	20.211	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	19610	24.022	ug/l	96
82) 4-Chlorotoluene	12.99	91	212179	20.024	ug/l	100
83) tert-Butylbenzene	13.21	119	230669	20.404	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	261462	20.400	ug/l	100
85) sec-Butylbenzene	13.38	105	320142	20.540	ug/l	100
86) p-Isopropyltoluene	13.50	119	296949	20.541	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	139382	19.946	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	141291	20.616	ug/l	99
89) n-Butylbenzene	13.82	91	272004	20.606	ug/l	99
90) Hexachloroethane	14.09	117	46500	19.147	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	125293	20.725	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9938	25.355	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	93341	21.546	ug/l	99
94) Hexachlorobutadiene	15.24	225	60604	20.448	ug/l	100
95) Naphthalene	15.36	128	186045	26.258	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	83238	22.237	ug/l	98

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

