

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092519\
 Data File : VW013291.D
 Acq On : 25 Sep 2019 11:15
 Operator : SY/VA
 Sample : VW0925SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0925SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/26/2019 3:33:12 PM

Quant Time: Sep 25 17:33:01 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	326086	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	471047	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	407843	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	209386	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	136458	51.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.54%	
35) Dibromofluoromethane	7.88	113	133580	51.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.12%	
50) Toluene-d8	10.32	98	555432	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	
62) 4-Bromofluorobenzene	12.62	95	194633	52.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	36220	19.256	ug/l	90
3) Chloromethane	2.21	50	49728	20.566	ug/l	96
4) Vinyl Chloride	2.35	62	63587	20.399	ug/l	100
5) Bromomethane	2.77	94	39517	20.004	ug/l	100
6) Chloroethane	2.90	64	33586	18.279	ug/l	90
7) Trichlorofluoromethane	3.23	101	32583	18.127	ug/l	95
8) Diethyl Ether	3.67	74	32123	20.923	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.05	101	59483	20.326	ug/l	99
10) Methyl Iodide	4.26	142	88957	19.606	ug/l	100
11) Tert butyl alcohol	5.21	59	16278	78.013	ug/l #	89
12) 1,1-Dichloroethene	4.03	96	60981	20.123	ug/l	96
13) Acrolein	3.89	56	15062	98.315	ug/l	96
14) Allyl chloride	4.66	41	98684	20.462	ug/l	98
15) Acrylonitrile	5.37	53	75699	114.232	ug/l	99
16) Acetone	4.13	43	63610	105.988	ug/l	97
17) Carbon Disulfide	4.37	76	166362	18.994	ug/l	99
18) Methyl Acetate	4.67	43	38634	22.900	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	98940	21.303	ug/l	98
20) Methylene Chloride	4.90	84	64588	19.256	ug/l	90
21) trans-1,2-Dichloroethene	5.42	96	65884	20.115	ug/l	98
22) Diisopropyl ether	6.30	45	188316	20.534	ug/l	93
23) Vinyl Acetate	6.25	43	578055	106.245	ug/l	99
24) 1,1-Dichloroethane	6.21	63	110187	19.911	ug/l	98
25) 2-Butanone	7.17	43	100111	111.118	ug/l	98
26) 2,2-Dichloropropane	7.16	77	70411	19.213	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	70752	20.469	ug/l	98
28) Bromochloromethane	7.51	49	37749	17.773	ug/l	97
29) Tetrahydrofuran	7.53	42	63892	115.638	ug/l	99
30) Chloroform	7.67	83	107958	19.925	ug/l	99
31) Cyclohexane	7.95	56	117444	20.359	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	89130	20.311	ug/l	99
36) 1,1-Dichloropropene	8.07	75	95108	20.846	ug/l	98
37) Ethyl Acetate	7.25	43	42778	22.061	ug/l	99
38) Carbon Tetrachloride	8.06	117	81207	19.855	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	122081	20.822	ug/l	98
40) Benzene	8.32	78	263676	20.720	ug/l	100
41) Methacrylonitrile	7.48	41	25002	21.604	ug/l	96
42) 1,2-Dichloroethane	8.40	62	69568	20.336	ug/l	99
43) Isopropyl Acetate	8.42	43	79463	21.382	ug/l	100
44) Trichloroethene	9.09	130	73340	20.540	ug/l	99
45) 1,2-Dichloropropane	9.37	63	63168	20.331	ug/l	97
46) Dibromomethane	9.46	93	32099	21.280	ug/l	98
47) Bromodichloromethane	9.64	83	76320	19.884	ug/l	97
48) Methyl methacrylate	9.43	41	40072	22.931	ug/l	96
49) 1,4-Dioxane	9.48	88	11504	508.077	ug/l #	90
51) 4-Methyl-2-Pentanone	10.21	43	211653	113.604	ug/l	99
52) Toluene	10.38	92	168958	20.716	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	80726	20.471	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	97126	20.257	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	48045	21.310	ug/l	97
56) Ethyl methacrylate	10.65	69	63241	21.433	ug/l	99
57) 1,3-Dichloropropane	10.93	76	81487	20.712	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	146480	107.234	ug/l	100
59) 2-Hexanone	10.97	43	146790	114.519	ug/l	100
60) Dibromochloromethane	11.13	129	52431	20.480	ug/l	100
61) 1,2-Dibromoethane	11.23	107	45776	21.354	ug/l	99
64) Tetrachloroethene	10.86	164	63901	20.650	ug/l	96
65) Chlorobenzene	11.65	112	175090	20.559	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.72	131	58628	20.150	ug/l	98
67) Ethyl Benzene	11.73	91	321487	20.834	ug/l	100
68) m/p-Xylenes	11.83	106	243890	41.476	ug/l	99
69) o-Xylene	12.16	106	111699	20.432	ug/l	99
70) Styrene	12.18	104	195398	20.819	ug/l	99
71) Bromoform	12.35	173	32767	21.317	ug/l #	98
73) Isopropylbenzene	12.46	105	315129	20.374	ug/l	99
74) N-amyl acetate	12.27	43	71784	20.915	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	56340	21.780	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	44204m	23.905	ug/l	
77) Bromobenzene	12.74	156	74026	20.196	ug/l	97
78) n-propylbenzene	12.80	91	373904	20.652	ug/l	100
79) 2-Chlorotoluene	12.89	91	206367	20.345	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	266023	20.460	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	17863	21.676	ug/l	96
82) 4-Chlorotoluene	12.99	91	219064	20.480	ug/l	100
83) tert-Butylbenzene	13.21	119	231854	20.317	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	263857	20.394	ug/l	98
85) sec-Butylbenzene	13.38	105	323955	20.590	ug/l	100
86) p-Isopropyltoluene	13.50	119	303354	20.788	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	144656	20.506	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	143634	20.761	ug/l	99
89) n-Butylbenzene	13.82	91	276088	20.720	ug/l	100
90) Hexachloroethane	14.09	117	48472	19.772	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	129875	21.281	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8803	22.248	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	90072	20.597	ug/l	98
94) Hexachlorobutadiene	15.24	225	62848	21.006	ug/l	98
95) Naphthalene	15.36	128	161086	22.522	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	79657	21.080	ug/l	99

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

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