

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082619\
 Data File : VW012162.D
 Acq On : 26 Aug 2019 10:47
 Operator : SY/VA
 Sample : VW0826SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/27/2019 11:04:07 AM

Quant Time: Aug 26 16:35:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	248051	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	395272	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	338955	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	165604	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	143259	48.58	ug/l	0.00
Spiked Amount			Recovery	=	97.16%	
35) Dibromofluoromethane	7.88	113	114451	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	
50) Toluene-d8	10.32	98	474215	49.57	ug/l	0.00
Spiked Amount			Recovery	=	99.14%	
62) 4-Bromofluorobenzene	12.62	95	166811	49.47	ug/l	0.00
Spiked Amount			Recovery	=	98.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	29137	19.077	ug/l	97
3) Chloromethane	2.21	50	45439	19.203	ug/l	98
4) Vinyl Chloride	2.36	62	56437	19.486	ug/l	100
5) Bromomethane	2.76	94	28086	19.148	ug/l	100
6) Chloroethane	2.92	64	31853	19.496	ug/l	96
7) Trichlorofluoromethane	3.26	101	30104	20.700	ug/l	94
8) Diethyl Ether	3.68	74	26078	18.892	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	50481	20.421	ug/l	98
10) Methyl Iodide	4.27	142	64576	19.307	ug/l	99
11) Tert butyl alcohol	5.17	59	18122	102.123	ug/l #	86
12) 1,1-Dichloroethene	4.04	96	49125	19.744	ug/l	96
13) Acrolein	3.89	56	17569	105.179	ug/l	97
14) Allyl chloride	4.67	41	103955	19.544	ug/l	100
15) Acrylonitrile	5.37	53	69678	101.837	ug/l	99
16) Acetone	4.12	43	69600	92.338	ug/l	99
17) Carbon Disulfide	4.38	76	136344	18.132	ug/l	100
18) Methyl Acetate	4.67	43	39170	20.981	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	81062	20.147	ug/l	97
20) Methylene Chloride	4.92	84	53727	18.855	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	52380	19.632	ug/l	93
22) Diisopropyl ether	6.31	45	203874	20.678	ug/l	98
23) Vinyl Acetate	6.25	43	604826	99.680	ug/l	100
24) 1,1-Dichloroethane	6.21	63	108461	20.204	ug/l	98
25) 2-Butanone	7.17	43	100580	98.197	ug/l	99
26) 2,2-Dichloropropane	7.17	77	64058	21.082	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	57051	20.014	ug/l	98
28) Bromochloromethane	7.51	49	48751	20.836	ug/l #	100
29) Tetrahydrofuran	7.53	42	63662	103.597	ug/l	99
30) Chloroform	7.68	83	100960	20.556	ug/l	99
31) Cyclohexane	7.95	56	100087	18.844	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	80521	20.724	ug/l	99
36) 1,1-Dichloropropene	8.08	75	82878	20.290	ug/l	100
37) Ethyl Acetate	7.25	43	46187	20.634	ug/l	99
38) Carbon Tetrachloride	8.07	117	72879	20.614	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	89504	19.505	ug/l	98
40) Benzene	8.32	78	225231	20.194	ug/l	99
41) Methacrylonitrile	7.49	41	28973	22.023	ug/l	96
42) 1,2-Dichloroethane	8.40	62	71512	20.458	ug/l	100
43) Isopropyl Acetate	8.43	43	83692	20.186	ug/l	100
44) Trichloroethene	9.09	130	54887	20.243	ug/l	96
45) 1,2-Dichloropropane	9.37	63	62061	20.675	ug/l	99
46) Dibromomethane	9.46	93	27233	20.391	ug/l	98
47) Bromodichloromethane	9.65	83	72902	20.510	ug/l	99
48) Methyl methacrylate	9.43	41	38740	19.632	ug/l	94
49) 1,4-Dioxane	9.45	88	8884	434.511	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	217268	103.027	ug/l	99
52) Toluene	10.39	92	137730	20.555	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	73664	20.345	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	87135	19.931	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	38778	20.521	ug/l	95
56) Ethyl methacrylate	10.65	69	55099	20.034	ug/l	98
57) 1,3-Dichloropropane	10.93	76	74088	20.747	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	136100	96.424	ug/l	99
59) 2-Hexanone	10.97	43	150394	100.791	ug/l	99
60) Dibromochloromethane	11.13	129	42871	20.369	ug/l	100
61) 1,2-Dibromoethane	11.24	107	35901	20.393	ug/l	99
64) Tetrachloroethene	10.86	164	45008	20.481	ug/l	98
65) Chlorobenzene	11.66	112	138245	20.713	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	48520	20.838	ug/l	99
67) Ethyl Benzene	11.73	91	263977	20.532	ug/l	99
68) m/p-Xylenes	11.84	106	192135	41.487	ug/l	97
69) o-Xylene	12.16	106	87791	20.482	ug/l	98
70) Styrene	12.18	104	154728	20.855	ug/l	100
71) Bromoform	12.35	173	24260	20.912	ug/l #	99
73) Isopropylbenzene	12.46	105	251136	20.238	ug/l	100
74) N-amyl acetate	12.27	43	75712	20.195	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	47302	20.793	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	38472m	23.853	ug/l	
77) Bromobenzene	12.74	156	54325	20.236	ug/l	99
78) n-propylbenzene	12.80	91	306893	20.259	ug/l	99
79) 2-Chlorotoluene	12.89	91	173597	20.184	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	212296	20.474	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	14812	20.136	ug/l	98
82) 4-Chlorotoluene	12.99	91	184299	20.465	ug/l	100
83) tert-Butylbenzene	13.21	119	180778	20.582	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	214406	20.585	ug/l	99
85) sec-Butylbenzene	13.38	105	258425	20.537	ug/l	100
86) p-Isopropyltoluene	13.50	119	230804	20.538	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	108657	20.693	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	106803	20.485	ug/l	98
89) n-Butylbenzene	13.82	91	231037	20.674	ug/l	99
90) Hexachloroethane	14.09	117	40900	20.744	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	96079	20.858	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7810	20.364	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	65366	20.534	ug/l	99
94) Hexachlorobutadiene	15.24	225	44252	21.053	ug/l	97
95) Naphthalene	15.36	128	113867	20.975	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	58413	21.032	ug/l	99

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

