

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082919\
 Data File : VW012294.D
 Acq On : 29 Aug 2019 11:19
 Operator : SY/VA
 Sample : VW0829SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/30/2019 11:41:18 AM

Quant Time: Aug 30 07:03:05 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	279228	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	439112	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	379701	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	180145	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	157371	47.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.82%	
35) Dibromofluoromethane	7.88	113	130175	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
50) Toluene-d8	10.32	98	541347	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
62) 4-Bromofluorobenzene	12.62	95	189798	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	29745	17.301	ug/l	100
3) Chloromethane	2.21	50	47478	17.824	ug/l	98
4) Vinyl Chloride	2.35	62	58565	17.963	ug/l	99
5) Bromomethane	2.77	94	26367	15.969	ug/l	99
6) Chloroethane	2.90	64	32080	17.443	ug/l	98
7) Trichlorofluoromethane	3.24	101	31936	19.508	ug/l	96
8) Diethyl Ether	3.68	74	30323	19.514	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	51984	18.681	ug/l	98
10) Methyl Iodide	4.26	142	70796	18.803	ug/l	98
11) Tert butyl alcohol	5.20	59	18570	92.963	ug/l	95
12) 1,1-Dichloroethene	4.03	96	52422	18.717	ug/l	96
13) Acrolein	3.89	56	14877	79.118	ug/l	94
14) Allyl chloride	4.66	41	117060	19.550	ug/l	99
15) Acrylonitrile	5.37	53	72595	94.254	ug/l	99
16) Acetone	4.13	43	68518	80.753	ug/l	98
17) Carbon Disulfide	4.37	76	131339	15.516	ug/l	100
18) Methyl Acetate	4.67	43	40521	19.281	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	91806	20.269	ug/l	99
20) Methylene Chloride	4.91	84	60434	18.841	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	57471	19.135	ug/l	96
22) Diisopropyl ether	6.31	45	225908	20.354	ug/l	98
23) Vinyl Acetate	6.25	43	656567	96.125	ug/l	100
24) 1,1-Dichloroethane	6.21	63	120021	19.861	ug/l	99
25) 2-Butanone	7.17	43	101812	88.302	ug/l	98
26) 2,2-Dichloropropane	7.17	77	68407	19.999	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	63360	19.745	ug/l	98
28) Bromochloromethane	7.51	49	52752	20.028	ug/l #	98
29) Tetrahydrofuran	7.53	42	66007	95.420	ug/l	99
30) Chloroform	7.67	83	108783	19.676	ug/l	96
31) Cyclohexane	7.95	56	109533	18.320	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	87108	19.916	ug/l	99
36) 1,1-Dichloropropene	8.08	75	88373	19.475	ug/l	99
37) Ethyl Acetate	7.25	43	47868	19.250	ug/l	98
38) Carbon Tetrachloride	8.07	117	74808	19.047	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	98424	19.307	ug/l	95
40) Benzene	8.32	78	244944	19.769	ug/l	98
41) Methacrylonitrile	7.48	41	28944	19.805	ug/l	96
42) 1,2-Dichloroethane	8.40	62	74165	19.098	ug/l	98
43) Isopropyl Acetate	8.42	43	88818	19.283	ug/l	98
44) Trichloroethene	9.09	130	60407	20.055	ug/l	98
45) 1,2-Dichloropropane	9.37	63	66323	19.889	ug/l	96
46) Dibromomethane	9.46	93	28860	19.451	ug/l	98
47) Bromodichloromethane	9.64	83	78294	19.828	ug/l	99
48) Methyl methacrylate	9.43	41	42442	19.360	ug/l	97
49) 1,4-Dioxane	9.47	88	7592	334.248	ug/l #	75
51) 4-Methyl-2-Pentanone	10.21	43	224931	96.012	ug/l	100
52) Toluene	10.38	92	149746	20.118	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	79300	19.715	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	95930	19.752	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	41856	19.939	ug/l	96
56) Ethyl methacrylate	10.65	69	61007	19.968	ug/l	96
57) 1,3-Dichloropropane	10.93	76	78993	19.913	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	159779	101.899	ug/l	100
59) 2-Hexanone	10.97	43	155730	93.947	ug/l	100
60) Dibromochloromethane	11.13	129	45694	19.542	ug/l	99
61) 1,2-Dibromoethane	11.23	107	38537	19.705	ug/l	99
64) Tetrachloroethene	10.86	164	49176	19.976	ug/l	97
65) Chlorobenzene	11.66	112	150037	20.067	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	52307	20.054	ug/l	99
67) Ethyl Benzene	11.73	91	293377	20.370	ug/l	98
68) m/p-Xylenes	11.84	106	210903	40.653	ug/l	99
69) o-Xylene	12.16	106	97842	20.377	ug/l	100
70) Styrene	12.18	104	170031	20.458	ug/l	99
71) Bromoform	12.35	173	25034	19.264	ug/l #	98
73) Isopropylbenzene	12.46	105	281379	20.845	ug/l	99
74) N-amyl acetate	12.27	43	79419	19.474	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	48702	19.680	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	32579m	18.569	ug/l	
77) Bromobenzene	12.74	156	60387	20.679	ug/l	96
78) n-propylbenzene	12.80	91	338328	20.531	ug/l	99
79) 2-Chlorotoluene	12.89	91	191598	20.479	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	233325	20.686	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	15451	19.309	ug/l	99
82) 4-Chlorotoluene	12.99	91	202681	20.690	ug/l	100
83) tert-Butylbenzene	13.21	119	201513	21.091	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	231226	20.408	ug/l	99
85) sec-Butylbenzene	13.38	105	288199	21.054	ug/l	99
86) p-Isopropyltoluene	13.50	119	257111	21.032	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	117008	20.485	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	115380	20.344	ug/l	98
89) n-Butylbenzene	13.82	91	252139	20.741	ug/l	99
90) Hexachloroethane	14.09	117	42700	19.909	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	103033	20.562	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7622	18.270	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	73255	21.155	ug/l	99
94) Hexachlorobutadiene	15.24	225	47523	20.784	ug/l	99
95) Naphthalene	15.36	128	127808	21.505	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	64023	21.191	ug/l	100

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

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