

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082719\
 Data File : VW012200.D
 Acq On : 27 Aug 2019 09:47
 Operator : SY/VA
 Sample : VW0827SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0827SBS01

Quant Time: Aug 28 05:14:01 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	270042	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	423228	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	366531	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	175099	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	159683	49.74	ug/l	0.00
Spiked Amount			Recovery	=	99.48%	
35) Dibromofluoromethane	7.88	113	130806	51.78	ug/l	0.00
Spiked Amount			Recovery	=	103.56%	
50) Toluene-d8	10.32	98	542612	52.97	ug/l	0.00
Spiked Amount			Recovery	=	105.94%	
62) 4-Bromofluorobenzene	12.62	95	193401	53.56	ug/l	0.00
Spiked Amount			Recovery	=	107.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	28515	17.149	ug/l	98
3) Chloromethane	2.21	50	46046	17.874	ug/l	98
4) Vinyl Chloride	2.36	62	58078	18.420	ug/l	97
5) Bromomethane	2.77	94	25725	16.110	ug/l	99
6) Chloroethane	2.90	64	30515	17.156	ug/l	98
7) Trichlorofluoromethane	3.24	101	27249	17.211	ug/l	95
8) Diethyl Ether	3.68	74	28528	18.983	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	50345	18.708	ug/l	99
10) Methyl Iodide	4.26	142	66182	18.176	ug/l	99
11) Tert butyl alcohol	5.20	59	18657	96.576	ug/l	99
12) 1,1-Dichloroethene	4.03	96	50958	18.813	ug/l	98
13) Acrolein	3.89	56	17261	94.920	ug/l	98
14) Allyl chloride	4.66	41	111168	19.198	ug/l	100
15) Acrylonitrile	5.37	53	72070	96.755	ug/l	98
16) Acetone	4.14	43	71079	86.621	ug/l	98
17) Carbon Disulfide	4.38	76	135782	16.587	ug/l	100
18) Methyl Acetate	4.67	43	40401	19.878	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	84802	19.360	ug/l	98
20) Methylene Chloride	4.91	84	56772	18.301	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	55262	19.026	ug/l	97
22) Diisopropyl ether	6.31	45	213943	19.932	ug/l	99
23) Vinyl Acetate	6.25	43	639769	96.852	ug/l	99
24) 1,1-Dichloroethane	6.21	63	113602	19.438	ug/l	99
25) 2-Butanone	7.17	43	108947	97.704	ug/l	100
26) 2,2-Dichloropropane	7.16	77	69169	20.910	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	61370	19.776	ug/l	99
28) Bromochloromethane	7.51	49	50540	19.841	ug/l #	100
29) Tetrahydrofuran	7.52	42	64055	95.748	ug/l	98
30) Chloroform	7.67	83	105510	19.733	ug/l	99
31) Cyclohexane	7.95	56	106751	18.462	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	83009	19.625	ug/l	99
36) 1,1-Dichloropropene	8.08	75	86759	19.837	ug/l	99
37) Ethyl Acetate	7.25	43	45320	18.910	ug/l	98
38) Carbon Tetrachloride	8.07	117	74143	19.586	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	95424	19.421	ug/l	100
40) Benzene	8.32	78	238635	19.982	ug/l	99
41) Methacrylonitrile	7.48	41	30557	21.693	ug/l	92
42) 1,2-Dichloroethane	8.40	62	73650	19.678	ug/l	99
43) Isopropyl Acetate	8.42	43	87932	19.807	ug/l	98
44) Trichloroethene	9.09	130	57440	19.785	ug/l	91
45) 1,2-Dichloropropane	9.37	63	64590	20.096	ug/l	98
46) Dibromomethane	9.46	93	28297	19.788	ug/l	97
47) Bromodichloromethane	9.64	83	75002	19.707	ug/l	97
48) Methyl methacrylate	9.43	41	41535	19.658	ug/l	98
49) 1,4-Dioxane	9.47	88	8237	376.256	ug/l #	77
51) 4-Methyl-2-Pentanone	10.21	43	225849	100.022	ug/l	100
52) Toluene	10.38	92	145659	20.303	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	77900	20.094	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	92746	19.813	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	41077	20.302	ug/l	98
56) Ethyl methacrylate	10.65	69	60190	20.440	ug/l	97
57) 1,3-Dichloropropane	10.93	76	76846	20.098	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	156109	103.295	ug/l	100
59) 2-Hexanone	10.97	43	158112	98.964	ug/l	99
60) Dibromochloromethane	11.13	129	45162	20.040	ug/l	98
61) 1,2-Dibromoethane	11.23	107	38178	20.254	ug/l	100
64) Tetrachloroethene	10.86	164	46631	19.623	ug/l	96
65) Chlorobenzene	11.66	112	144381	20.005	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	49387	19.615	ug/l	96
67) Ethyl Benzene	11.73	91	283268	20.375	ug/l	100
68) m/p-Xylenes	11.84	106	204256	40.786	ug/l	99
69) o-Xylene	12.16	106	95407	20.584	ug/l	99
70) Styrene	12.18	104	165318	20.606	ug/l	100
71) Bromoform	12.35	173	24893	19.844	ug/l #	99
73) Isopropylbenzene	12.46	105	274412	20.915	ug/l	99
74) N-amyl acetate	12.27	43	80652	20.346	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	48344	20.098	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	32415m	19.008	ug/l	
77) Bromobenzene	12.75	156	57930	20.409	ug/l	98
78) n-propylbenzene	12.80	91	333662	20.831	ug/l	99
79) 2-Chlorotoluene	12.89	91	185198	20.365	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	225965	20.611	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	15534	19.972	ug/l	97
82) 4-Chlorotoluene	12.99	91	196038	20.588	ug/l	100
83) tert-Butylbenzene	13.21	119	196563	21.166	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	226843	20.598	ug/l	99
85) sec-Butylbenzene	13.38	105	281353	21.146	ug/l	100
86) p-Isopropyltoluene	13.50	119	252597	21.258	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	115600	20.822	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	112932	20.486	ug/l	98
89) n-Butylbenzene	13.82	91	253692	21.470	ug/l	100
90) Hexachloroethane	14.09	117	43066	20.658	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	100919	20.721	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8263	20.377	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	74253	22.061	ug/l	99
94) Hexachlorobutadiene	15.24	225	47729	21.476	ug/l	98
95) Naphthalene	15.36	128	131699	22.538	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	62826	21.394	ug/l	99

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

