

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083119\
 Data File : VW012416.D
 Acq On : 31 Aug 2019 23:18
 Operator : SY/VA
 Sample : VW0831SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS02

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 2:42:03 AM

Quant Time: Sep 01 04:58:42 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	200236	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	331953	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	296778	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	148663	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	126659	53.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.42%	
35) Dibromofluoromethane	7.88	113	98728	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	
50) Toluene-d8	10.32	98	384308	47.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.66%	
62) 4-Bromofluorobenzene	12.62	95	140758	49.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.40%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.01	85	19542	15.850	ug/l	99
3) Chloromethane	2.21	50	37867	19.824	ug/l	100
4) Vinyl Chloride	2.35	62	41901	17.922	ug/l	100
5) Bromomethane	2.72	94	22377m	18.899	ug/l	
6) Chloroethane	2.89	64	25721	19.502	ug/l #	88
7) Trichlorofluoromethane	3.24	101	22335	19.025	ug/l	91
8) Diethyl Ether	3.68	74	23165	20.789	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	37854	18.970	ug/l	98
10) Methyl Iodide	4.26	142	53392	19.775	ug/l	98
11) Tert butyl alcohol	5.17	59	17704	123.591	ug/l	99
12) 1,1-Dichloroethene	4.03	96	36399	18.123	ug/l	94
13) Acrolein	3.89	56	10434	77.380	ug/l	93
14) Allyl chloride	4.66	41	84106	19.588	ug/l	99
15) Acrylonitrile	5.36	53	62892	113.869	ug/l	99
16) Acetone	4.12	43	57748	94.909	ug/l	98
17) Carbon Disulfide	4.37	76	91562	15.084	ug/l	99
18) Methyl Acetate	4.67	43	38580	25.600	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	75527	23.253	ug/l	99
20) Methylene Chloride	4.90	84	49641	21.581	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	41762	19.390	ug/l	91
22) Diisopropyl ether	6.31	45	179586	22.564	ug/l	98
23) Vinyl Acetate	6.25	43	505962	103.298	ug/l	99
24) 1,1-Dichloroethane	6.21	63	91528	21.121	ug/l	99
25) 2-Butanone	7.17	43	86566	104.697	ug/l	99
26) 2,2-Dichloropropane	7.17	77	48645	19.832	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	48256	20.971	ug/l	98
28) Bromochloromethane	7.51	49	41934	22.202	ug/l	99
29) Tetrahydrofuran	7.52	42	56449	113.795	ug/l	99
30) Chloroform	7.67	83	88601	22.347	ug/l	97
31) Cyclohexane	7.95	56	72929	17.010	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	66999	21.362	ug/l	100
36) 1,1-Dichloropropene	8.08	75	63788	18.595	ug/l	100
37) Ethyl Acetate	7.26	43	40502	21.546	ug/l	99
38) Carbon Tetrachloride	8.07	117	57541	19.380	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	63145	16.385	ug/l	99
40) Benzene	8.32	78	187101	19.975	ug/l	100
41) Methacrylonitrile	7.48	41	24396	22.082	ug/l	96
42) 1,2-Dichloroethane	8.40	62	65336	22.256	ug/l	100
43) Isopropyl Acetate	8.42	43	74480	21.390	ug/l	99
44) Trichloroethene	9.09	130	44142	19.386	ug/l	96
45) 1,2-Dichloropropane	9.37	63	52585	20.860	ug/l	92
46) Dibromomethane	9.46	93	24321	21.684	ug/l	98
47) Bromodichloromethane	9.64	83	62993	21.102	ug/l	99
48) Methyl methacrylate	9.43	41	35001	21.120	ug/l	96
49) 1,4-Dioxane	9.45	88	8036	468.006	ug/l	92
51) 4-Methyl-2-Pentanone	10.21	43	197160	111.325	ug/l	98
52) Toluene	10.38	92	114064	20.271	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	62612	20.591	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	72848	19.842	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	34633	21.824	ug/l	97
56) Ethyl methacrylate	10.65	69	48335	20.927	ug/l	99
57) 1,3-Dichloropropane	10.93	76	64655	21.560	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	122388	103.249	ug/l	100
59) 2-Hexanone	10.97	43	132380	105.641	ug/l	98
60) Dibromochloromethane	11.13	129	38588	21.831	ug/l	100
61) 1,2-Dibromoethane	11.23	107	32440	21.942	ug/l	99
64) Tetrachloroethene	10.86	164	38961	20.249	ug/l	95
65) Chlorobenzene	11.66	112	118284	20.241	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	42617	20.904	ug/l	99
67) Ethyl Benzene	11.73	91	221397	19.667	ug/l	99
68) m/p-Xylenes	11.84	106	160247	39.519	ug/l	99
69) o-Xylene	12.16	106	76155	20.292	ug/l	99
70) Styrene	12.18	104	132362	20.376	ug/l	98
71) Bromoform	12.35	173	21422	21.090	ug/l #	100
73) Isopropylbenzene	12.46	105	207735	18.648	ug/l	99
74) N-amyl acetate	12.27	43	68837	20.453	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	41200	20.174	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	29080m	20.085	ug/l	
77) Bromobenzene	12.74	156	48856	20.273	ug/l	98
78) n-propylbenzene	12.80	91	254649	18.725	ug/l	99
79) 2-Chlorotoluene	12.89	91	148972	19.295	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	181502	19.499	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	11899	18.019	ug/l	95
82) 4-Chlorotoluene	12.99	91	157013	19.422	ug/l	99
83) tert-Butylbenzene	13.21	119	153453	19.462	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	182709	19.540	ug/l	100
85) sec-Butylbenzene	13.38	105	213234	18.876	ug/l	100
86) p-Isopropyltoluene	13.50	119	192604	19.092	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	93291	19.791	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	93708	20.021	ug/l	99
89) n-Butylbenzene	13.82	91	183694	18.310	ug/l	100
90) Hexachloroethane	14.09	117	33422	18.883	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	84037	20.323	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7152	20.774	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	56543	19.787	ug/l	99
94) Hexachlorobutadiene	15.24	225	38078	20.180	ug/l	98
95) Naphthalene	15.36	128	96271	20.006	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	49697	19.933	ug/l	99

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

