

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083119\
 Data File : VW012390.D
 Acq On : 31 Aug 2019 10:51
 Operator : SY/VA
 Sample : VW0831SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 2:42:07 AM

Quant Time: Sep 02 01:50:24 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	210469	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	331634	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	291890	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	144228	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	128090	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	
35) Dibromofluoromethane	7.88	113	100017	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	
50) Toluene-d8	10.32	98	411337	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	
62) 4-Bromofluorobenzene	12.62	95	146045	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	24789	19.128	ug/l	96
3) Chloromethane	2.21	50	40287	20.065	ug/l	96
4) Vinyl Chloride	2.36	62	47229	19.219	ug/l	95
5) Bromomethane	2.71	94	20735	16.661	ug/l	95
6) Chloroethane	2.87	64	27105m	19.552	ug/l	
7) Trichlorofluoromethane	3.23	101	26489	21.467	ug/l	98
8) Diethyl Ether	3.67	74	21171	18.075	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.05	101	42716	20.366	ug/l	100
10) Methyl Iodide	4.26	142	54408	19.172	ug/l	99
11) Tert butyl alcohol	5.17	59	15396	102.254	ug/l	96
12) 1,1-Dichloroethene	4.03	96	39785	18.846	ug/l	99
13) Acrolein	3.89	56	12001	84.674	ug/l	98
14) Allyl chloride	4.65	41	84527	18.729	ug/l	98
15) Acrylonitrile	5.37	53	55318	95.286	ug/l	99
16) Acetone	4.11	43	54750	85.607	ug/l	100
17) Carbon Disulfide	4.37	76	96758	15.165	ug/l	98
18) Methyl Acetate	4.66	43	33250	20.990	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	71146	20.840	ug/l	99
20) Methylene Chloride	4.90	84	47928	19.823	ug/l	97
21) trans-1,2-Dichloroethene	5.41	96	42100	18.597	ug/l	99
22) Diisopropyl ether	6.30	45	170051	20.327	ug/l	98
23) Vinyl Acetate	6.24	43	474805	92.224	ug/l	99
24) 1,1-Dichloroethane	6.21	63	89885	19.733	ug/l	99
25) 2-Butanone	7.17	43	77119	88.736	ug/l	99
26) 2,2-Dichloropropane	7.16	77	53415	20.718	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	47587	19.675	ug/l	99
28) Bromochloromethane	7.51	49	42901	21.610	ug/l	97
29) Tetrahydrofuran	7.52	42	49032	94.037	ug/l	98
30) Chloroform	7.67	83	86531	20.764	ug/l	99
31) Cyclohexane	7.95	56	82012	18.198	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	69493	21.080	ug/l	98
36) 1,1-Dichloropropene	8.08	75	68182	19.895	ug/l	99
37) Ethyl Acetate	7.24	43	36240	19.297	ug/l	98
38) Carbon Tetrachloride	8.07	117	61199	20.632	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	71694	18.622	ug/l	98
40) Benzene	8.32	78	185995	19.876	ug/l	99
41) Methacrylonitrile	7.48	41	22636	20.508	ug/l	96
42) 1,2-Dichloroethane	8.40	62	60514	20.633	ug/l	99
43) Isopropyl Acetate	8.42	43	65303	18.773	ug/l	99
44) Trichloroethene	9.09	130	45124	19.836	ug/l	98
45) 1,2-Dichloropropane	9.37	63	50787	20.166	ug/l	99
46) Dibromomethane	9.46	93	22522	20.099	ug/l	96
47) Bromodichloromethane	9.64	83	58835	19.728	ug/l	97
48) Methyl methacrylate	9.43	41	31012	18.731	ug/l	98
49) 1,4-Dioxane	9.45	88	7033	409.987	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	172213	97.333	ug/l	98
52) Toluene	10.38	92	113649	20.216	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	60032	19.762	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	71041	19.368	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	31656	19.967	ug/l	99
56) Ethyl methacrylate	10.65	69	43778	18.973	ug/l	99
57) 1,3-Dichloropropane	10.93	76	59865	19.981	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	131816	111.310	ug/l	100
59) 2-Hexanone	10.97	43	117028	93.480	ug/l	98
60) Dibromochloromethane	11.13	129	34609	19.599	ug/l	98
61) 1,2-Dibromoethane	11.23	107	29329	19.857	ug/l	99
64) Tetrachloroethene	10.86	164	37501	19.817	ug/l	97
65) Chlorobenzene	11.66	112	116592	20.285	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	40779	20.338	ug/l	99
67) Ethyl Benzene	11.73	91	222076	20.058	ug/l	98
68) m/p-Xylenes	11.84	106	161309	40.447	ug/l	100
69) o-Xylene	12.16	106	73174	19.824	ug/l	97
70) Styrene	12.18	104	129127	20.211	ug/l	99
71) Bromoform	12.35	173	19342	19.361	ug/l #	99
73) Isopropylbenzene	12.46	105	213639	19.768	ug/l	100
74) N-amyl acetate	12.27	43	60864	18.640	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	37036	18.693	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	30452m	21.679	ug/l	
77) Bromobenzene	12.74	156	46258	19.785	ug/l	98
78) n-propylbenzene	12.80	91	264683	20.062	ug/l	99
79) 2-Chlorotoluene	12.89	91	149691	19.984	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	181064	20.050	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	11400	17.794	ug/l	96
82) 4-Chlorotoluene	12.99	91	158161	20.166	ug/l	99
83) tert-Butylbenzene	13.21	119	154500	20.197	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	183062	20.180	ug/l	100
85) sec-Butylbenzene	13.38	105	221606	20.221	ug/l	100
86) p-Isopropyltoluene	13.50	119	202125	20.652	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	92249	20.172	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	90960	20.032	ug/l	98
89) n-Butylbenzene	13.82	91	198298	20.374	ug/l	100
90) Hexachloroethane	14.09	117	33563	19.546	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	81989	20.437	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	6327	18.942	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	56051	20.218	ug/l	99
94) Hexachlorobutadiene	15.24	225	40567	22.160	ug/l	97
95) Naphthalene	15.37	128	89642	19.375	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	49327	20.393	ug/l	99

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

