

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082919\
 Data File : VW012321.D
 Acq On : 30 Aug 2019 00:14
 Operator : SY/VA
 Sample : VW0829SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS02

Manual Integrations
 APPROVED

MMDadoda
 8/30/2019 11:44:29 AM

Quant Time: Aug 30 09:05:04 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	209737	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	341332	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	294014	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	141248	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	127361	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
35) Dibromofluoromethane	7.88	113	101091	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
50) Toluene-d8	10.32	98	409279	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
62) 4-Bromofluorobenzene	12.62	95	144770	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	20139	15.594	ug/l	90
3) Chloromethane	2.21	50	36410	18.198	ug/l	100
4) Vinyl Chloride	2.36	62	44441	18.147	ug/l	96
5) Bromomethane	2.76	94	22521	18.159	ug/l	99
6) Chloroethane	2.92	64	26290	19.030	ug/l	98
7) Trichlorofluoromethane	3.25	101	22220	18.070	ug/l	95
8) Diethyl Ether	3.68	74	24534	21.020	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	41301	19.760	ug/l	98
10) Methyl Iodide	4.27	142	54123	19.138	ug/l	99
11) Tert butyl alcohol	5.18	59	18561	123.704	ug/l	100
12) 1,1-Dichloroethene	4.04	96	39595	18.821	ug/l	96
13) Acrolein	3.90	56	12770	90.414	ug/l	100
14) Allyl chloride	4.67	41	89378	19.873	ug/l	99
15) Acrylonitrile	5.37	53	68357	118.157	ug/l	99
16) Acetone	4.12	43	61030	95.759	ug/l	96
17) Carbon Disulfide	4.38	76	100839	15.860	ug/l	99
18) Methyl Acetate	4.67	43	41933	26.564	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	78864	23.181	ug/l	96
20) Methylene Chloride	4.91	84	57741	23.965	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	43657	19.352	ug/l	97
22) Diisopropyl ether	6.31	45	180133	21.608	ug/l	99
23) Vinyl Acetate	6.25	43	538886	105.036	ug/l	100
24) 1,1-Dichloroethane	6.21	63	93212	20.535	ug/l	99
25) 2-Butanone	7.17	43	94786	109.445	ug/l	99
26) 2,2-Dichloropropane	7.17	77	50208	19.542	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	50184	20.821	ug/l	100
28) Bromochloromethane	7.51	49	42035	21.247	ug/l	99
29) Tetrahydrofuran	7.54	42	62743	120.753	ug/l	100
30) Chloroform	7.67	83	85362	20.555	ug/l	100
31) Cyclohexane	7.96	56	82967	18.475	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	67084	20.420	ug/l	99
36) 1,1-Dichloropropene	8.08	75	69486	19.700	ug/l	100
37) Ethyl Acetate	7.26	43	45047	23.305	ug/l	99
38) Carbon Tetrachloride	8.07	117	58704	19.229	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	74269	18.742	ug/l	99
40) Benzene	8.32	78	192403	19.976	ug/l	99
41) Methacrylonitrile	7.48	41	25782	22.695	ug/l	98
42) 1,2-Dichloroethane	8.40	62	63463	21.024	ug/l	100
43) Isopropyl Acetate	8.42	43	80181	22.395	ug/l	99
44) Trichloroethene	9.09	130	47077	20.107	ug/l	92
45) 1,2-Dichloropropane	9.37	63	52809	20.373	ug/l	98
46) Dibromomethane	9.46	93	24895	21.586	ug/l	98
47) Bromodichloromethane	9.64	83	61684	20.096	ug/l	98
48) Methyl methacrylate	9.43	41	37818	22.193	ug/l	98
49) 1,4-Dioxane	9.46	88	8030	454.807	ug/l #	79
51) 4-Methyl-2-Pentanone	10.21	43	212502	116.691	ug/l	99
52) Toluene	10.38	92	116314	20.102	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	63653	20.358	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	74499	19.734	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	35258	21.607	ug/l	98
56) Ethyl methacrylate	10.65	69	52787	22.227	ug/l	99
57) 1,3-Dichloropropane	10.93	76	66117	21.441	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	143352	117.612	ug/l	99
59) 2-Hexanone	10.97	43	143195	111.131	ug/l	99
60) Dibromochloromethane	11.13	129	38259	21.050	ug/l	100
61) 1,2-Dibromoethane	11.23	107	32771	21.557	ug/l	98
64) Tetrachloroethene	10.86	164	41007	21.513	ug/l	99
65) Chlorobenzene	11.66	112	117781	20.344	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	42247	20.918	ug/l	99
67) Ethyl Benzene	11.73	91	228051	20.449	ug/l	99
68) m/p-Xylenes	11.84	106	163283	40.646	ug/l	99
69) o-Xylene	12.16	106	76652	20.616	ug/l	99
70) Styrene	12.18	104	134720	20.934	ug/l	100
71) Bromoform	12.35	173	21602	21.468	ug/l #	100
73) Isopropylbenzene	12.46	105	219195	20.710	ug/l	99
74) N-amyl acetate	12.27	43	71593	22.389	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	43017	22.170	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	29186m	21.216	ug/l	
77) Bromobenzene	12.74	156	48111	21.012	ug/l	99
78) n-propylbenzene	12.80	91	265896	20.579	ug/l	99
79) 2-Chlorotoluene	12.89	91	151003	20.585	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	184651	20.879	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	12786	20.378	ug/l	96
82) 4-Chlorotoluene	12.99	91	157299	20.479	ug/l	99
83) tert-Butylbenzene	13.21	119	157707	21.051	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	183996	20.711	ug/l	99
85) sec-Butylbenzene	13.38	105	222314	20.713	ug/l	100
86) p-Isopropyltoluene	13.50	119	199070	20.769	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	92992	20.764	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	91483	20.572	ug/l	98
89) n-Butylbenzene	13.82	91	193615	20.312	ug/l	100
90) Hexachloroethane	14.09	117	34310	20.402	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	83127	21.158	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7684	23.490	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	57006	20.996	ug/l	99
94) Hexachlorobutadiene	15.23	225	38400	21.419	ug/l	98
95) Naphthalene	15.36	128	112534	23.618	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	51549	21.761	ug/l	97

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

