

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041719\
 Data File : VW010015.D
 Acq On : 17 Apr 2019 12:44
 Operator : SY/VA
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 4/18/2019 11:40:17 AM

Quant Time: Apr 18 02:16:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 01:42:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	444112	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	708428	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	656270	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	327729	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	566910	103.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	206.88%	
35) Dibromofluoromethane	7.88	113	469411	104.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	208.44%	
50) Toluene-d8	10.32	98	1842512	109.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	218.34%	
62) 4-Bromofluorobenzene	12.62	95	674665	109.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	219.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	352070	105.742	ug/l	99
3) Chloromethane	2.22	50	364995	107.784	ug/l	98
4) Vinyl Chloride	2.37	62	419099	106.471	ug/l	97
5) Bromomethane	2.77	94	277458	104.886	ug/l	99
6) Chloroethane	2.92	64	270525	105.184	ug/l	97
7) Trichlorofluoromethane	3.25	101	300543	110.431	ug/l	99
8) Diethyl Ether	3.67	74	226274	99.950	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.05	101	444038	99.544	ug/l	99
10) Methyl Iodide	4.27	142	656220	103.690	ug/l	99
11) Tert butyl alcohol	5.18	59	152507	489.954	ug/l	98
12) 1,1-Dichloroethene	4.03	96	455084	103.654	ug/l	99
13) Acrolein	3.88	56	156235	475.713	ug/l	96
14) Allyl chloride	4.66	41	812029	104.032	ug/l	100
15) Acrylonitrile	5.36	53	595564	511.192	ug/l	99
16) Acetone	4.12	43	598567	470.716	ug/l	99
17) Carbon Disulfide	4.37	76	1367512	113.549	ug/l	100
18) Methyl Acetate	4.67	43	277392	94.254	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	607929	106.606	ug/l	99
20) Methylene Chloride	4.91	84	480873	82.198	ug/l	98
21) trans-1,2-Dichloroethene	5.41	96	505078	106.236	ug/l	99
22) Diisopropyl ether	6.31	45	1621397	102.406	ug/l	97
23) Vinyl Acetate	6.25	43	5496004	551.415	ug/l	99
24) 1,1-Dichloroethane	6.21	63	943759	99.711	ug/l	99
25) 2-Butanone	7.16	43	893006	534.605	ug/l	97
26) 2,2-Dichloropropane	7.16	77	507447	96.905	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	546065	104.436	ug/l	99
28) Bromochloromethane	7.51	49	381580	98.650	ug/l	97
29) Tetrahydrofuran	7.52	42	571034	539.514	ug/l	98
30) Chloroform	7.67	83	933459	98.424	ug/l	99
31) Cyclohexane	7.95	56	885609	99.920	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	732476	98.380	ug/l	99
36) 1,1-Dichloropropene	8.08	75	752290	103.958	ug/l	99
37) Ethyl Acetate	7.25	43	381539	103.759	ug/l	100
38) Carbon Tetrachloride	8.06	117	717427	101.582	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	923516	113.411	ug/l	99
40) Benzene	8.32	78	2031546	102.674	ug/l	99
41) Methacrylonitrile	7.48	41	236058	112.637	ug/l	98
42) 1,2-Dichloroethane	8.40	62	675360	99.320	ug/l	100
43) Isopropyl Acetate	8.42	43	739473	107.316	ug/l	98
44) Trichloroethene	9.09	130	520925	103.656	ug/l	98
45) 1,2-Dichloropropane	9.37	63	523610	100.677	ug/l	100
46) Dibromomethane	9.46	93	275315	102.135	ug/l	100
47) Bromodichloromethane	9.64	83	718667	103.280	ug/l	99
48) Methyl methacrylate	9.43	41	357825	106.680	ug/l	98
49) 1,4-Dioxane	9.44	88	85147	2067.265	ug/l	100
51) 4-Methyl-2-Pentanone	10.21	43	1933953	535.869	ug/l	100
52) Toluene	10.38	92	1294064	104.992	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	743189	107.725	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	847203	107.545	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	379044	100.747	ug/l	98
56) Ethyl methacrylate	10.65	69	551695	117.953	ug/l	98
57) 1,3-Dichloropropane	10.93	76	689094	102.187	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	1055563	469.526	ug/l	99
59) 2-Hexanone	10.97	43	1385732	551.588	ug/l	100
60) Dibromochloromethane	11.13	129	462978	106.468	ug/l	100
61) 1,2-Dibromoethane	11.23	107	368929	103.081	ug/l	97
64) Tetrachloroethene	10.86	164	440241	103.336	ug/l	99
65) Chlorobenzene	11.66	112	1342381	99.938	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	492221	102.473	ug/l	99
67) Ethyl Benzene	11.73	91	2547792	106.313	ug/l	99
68) m/p-Xylenes	11.84	106	1882540	210.146	ug/l	100
69) o-Xylene	12.16	106	883185	108.276	ug/l	98
70) Styrene	12.18	104	1558022	110.782	ug/l	99
71) Bromoform	12.35	173	264906	104.295	ug/l #	99
73) Isopropylbenzene	12.47	105	2470265	108.301	ug/l	100
74) N-amyl acetate	12.27	43	712548	112.806	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	459050	101.867	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	334883m	85.238	ug/l	
77) Bromobenzene	12.75	156	546064	104.095	ug/l	100
78) n-propylbenzene	12.80	91	3002733	106.219	ug/l	100
79) 2-Chlorotoluene	12.90	91	1694565	104.227	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	2076168	107.354	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	160673	115.503	ug/l	98
82) 4-Chlorotoluene	12.99	91	1759710	102.839	ug/l	100
83) tert-Butylbenzene	13.21	119	1733716	108.254	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	2073946	105.772	ug/l	100
85) sec-Butylbenzene	13.38	105	2508564	104.815	ug/l	100
86) p-Isopropyltoluene	13.50	119	2271021	107.658	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	1057553	99.730	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	1043143	98.553	ug/l	99
89) n-Butylbenzene	13.83	91	2269678	108.601	ug/l	99
90) Hexachloroethane	14.10	117	421029	104.207	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	943063	99.186	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	81660	101.259	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	658319	104.950	ug/l	100
94) Hexachlorobutadiene	15.24	225	386946	101.584	ug/l	99
95) Naphthalene	15.37	128	1302455	115.654	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	570242	104.783	ug/l	99

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

