

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051719\
 Data File : VW010419.D
 Acq On : 17 May 2019 17:58
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 12:16:01 PM

Quant Time: May 17 23:42:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W051719S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:21:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	794527	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1402741	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1253229	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	582448	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	182733	22.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	44.72%	
35) Dibromofluoromethane	7.88	113	181172	21.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.36%	
50) Toluene-d8	10.32	98	680139	21.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.00%	
62) 4-Bromofluorobenzene	12.62	95	262728	21.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	115978	23.169	ug/l	98
3) Chloromethane	2.20	50	170811	24.853	ug/l	99
4) Vinyl Chloride	2.35	62	178724	20.681	ug/l	98
5) Bromomethane	2.74	94	102179	18.524	ug/l	99
6) Chloroethane	2.90	64	114236	22.123	ug/l	97
7) Trichlorofluoromethane	3.24	101	258214	43.262	ug/l	99
8) Diethyl Ether	3.68	74	91257	21.896	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.05	101	164386	22.254	ug/l	99
10) Methyl Iodide	4.26	142	178327	15.647	ug/l	99
11) Tert butyl alcohol	5.18	59	78422	116.842	ug/l	99
12) 1,1-Dichloroethene	4.03	96	155917	20.208	ug/l	98
13) Acrolein	3.90	56	67661	159.275	ug/l	95
14) Allyl chloride	4.66	41	239837	23.972	ug/l	99
15) Acrylonitrile	5.37	53	195649	106.473	ug/l	99
16) Acetone	4.13	43	146328	99.874	ug/l	97
17) Carbon Disulfide	4.37	76	444560	21.183	ug/l	99
18) Methyl Acetate	4.67	43	96905	20.708	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	452141	35.824	ug/l	100
20) Methylene Chloride	4.91	84	178190	20.809	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	182232	21.194	ug/l	98
22) Diisopropyl ether	6.31	45	515545	21.615	ug/l	99
23) Vinyl Acetate	6.25	43	1598060	98.422	ug/l	98
24) 1,1-Dichloroethane	6.21	63	303440	20.862	ug/l	97
25) 2-Butanone	7.17	43	260075	94.753	ug/l	98
26) 2,2-Dichloropropane	7.17	77	273821	33.074	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	203809	20.542	ug/l	98
28) Bromochloromethane	7.51	49	115421	19.132	ug/l	97
29) Tetrahydrofuran	7.53	42	173688	94.464	ug/l	100
30) Chloroform	7.68	83	316557	20.714	ug/l	98
31) Cyclohexane	7.95	56	298623	21.111	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	297964	24.181	ug/l	99
36) 1,1-Dichloropropene	8.08	75	248621	20.598	ug/l	99
37) Ethyl Acetate	7.25	43	119202	19.696	ug/l	97
38) Carbon Tetrachloride	8.06	117	266693	21.544	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	332440	20.791	ug/l	99
40) Benzene	8.32	78	714284	20.344	ug/l	98
41) Methacrylonitrile	7.48	41	67423	18.335	ug/l #	88
42) 1,2-Dichloroethane	8.40	62	214061	20.908	ug/l	100
43) Isopropyl Acetate	8.43	43	236854	18.996	ug/l	99
44) Trichloroethene	9.09	130	200821	20.027	ug/l	98
45) 1,2-Dichloropropane	9.37	63	177146	20.336	ug/l	96
46) Dibromomethane	9.46	93	103993	20.503	ug/l	98
47) Bromodichloromethane	9.64	83	254134	20.431	ug/l	99
48) Methyl methacrylate	9.44	41	109972	19.189	ug/l	99
49) 1,4-Dioxane	9.45	88	30704	346.352	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	601747	93.221	ug/l	99
52) Toluene	10.39	92	473393	20.231	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	262439	20.030	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	297570	20.089	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	146221	19.937	ug/l	98
56) Ethyl methacrylate	10.65	69	204470	19.634	ug/l	99
57) 1,3-Dichloropropane	10.93	76	244250	19.910	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	495691	108.595	ug/l	100
59) 2-Hexanone	10.97	43	424102	93.147	ug/l	99
60) Dibromochloromethane	11.13	129	181630	19.826	ug/l	99
61) 1,2-Dibromoethane	11.23	107	149376	20.183	ug/l	98
64) Tetrachloroethene	10.86	164	164487	19.856	ug/l	96
65) Chlorobenzene	11.66	112	507962	20.427	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	186014	20.200	ug/l	99
67) Ethyl Benzene	11.73	91	886067	20.064	ug/l	100
68) m/p-Xylenes	11.84	106	696359	40.299	ug/l	98
69) o-Xylene	12.17	106	329845	19.805	ug/l	98
70) Styrene	12.18	104	573312	19.803	ug/l	100
71) Bromoform	12.35	173	101850	19.074	ug/l #	100
73) Isopropylbenzene	12.47	105	896368	21.095	ug/l	99
74) N-amyl acetate	12.27	43	221507	18.827	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	174744	20.925	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	121602m	19.187	ug/l	
77) Bromobenzene	12.75	156	206719	21.085	ug/l	99
78) n-propylbenzene	12.80	91	1038982	20.909	ug/l	99
79) 2-Chlorotoluene	12.90	91	601221	20.808	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	769539	21.015	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	63022	20.673	ug/l	96
82) 4-Chlorotoluene	12.99	91	632984	20.879	ug/l	99
83) tert-Butylbenzene	13.21	119	645038	20.892	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	752638	20.610	ug/l	100
85) sec-Butylbenzene	13.38	105	904045	20.703	ug/l	100
86) p-Isopropyltoluene	13.50	119	816338	20.546	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	395445	20.741	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	386810	20.328	ug/l	99
89) n-Butylbenzene	13.83	91	777563	20.504	ug/l	100
90) Hexachloroethane	14.10	117	163767	20.819	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	363238	20.755	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	32959	21.230	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	227341	18.897	ug/l	99
94) Hexachlorobutadiene	15.24	225	119594	19.459	ug/l	99
95) Naphthalene	15.37	128	523454	19.543	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	201558	18.865	ug/l	98

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

