

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012919\
 Data File : VW008453.D
 Acq On : 29 Jan 2019 16:39
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/30/2019 9:39:50 AM

Quant Time: Jan 30 01:10:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	403281	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	615138	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	551031	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	283799	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	201277	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	
35) Dibromofluoromethane	7.88	113	197465	54.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.80%	
50) Toluene-d8	10.32	98	778586	53.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.96%	
62) 4-Bromofluorobenzene	12.62	95	283199	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	105985	45.771	ug/l	95
3) Chloromethane	2.21	50	160873	48.870	ug/l	98
4) Vinyl Chloride	2.37	62	226359	54.017	ug/l	97
5) Bromomethane	2.78	94	161431	59.726	ug/l	93
6) Chloroethane	2.92	64	154622	60.334	ug/l	99
7) Trichlorofluoromethane	3.25	101	188090	51.453	ug/l	98
8) Diethyl Ether	3.67	74	107223	53.314	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	203576	55.813	ug/l	98
10) Methyl Iodide	4.26	142	318425	55.270	ug/l	99
11) Tert butyl alcohol	5.17	59	80377	251.985	ug/l	96
12) 1,1-Dichloroethene	4.03	96	197580	53.525	ug/l	98
13) Acrolein	3.89	56	56597	201.926	ug/l	100
14) Allyl chloride	4.66	41	349203	49.819	ug/l	98
15) Acrylonitrile	5.36	53	222033	255.671	ug/l	99
16) Acetone	4.12	43	250365	281.406	ug/l	96
17) Carbon Disulfide	4.37	76	575023	48.775	ug/l	98
18) Methyl Acetate	4.67	43	119168	50.218	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	324830	53.186	ug/l	100
20) Methylene Chloride	4.90	84	208793	50.917	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	220483	53.129	ug/l	95
22) Diisopropyl ether	6.31	45	673348	50.687	ug/l	98
23) Vinyl Acetate	6.25	43	1947089	248.219	ug/l	99
24) 1,1-Dichloroethane	6.21	63	390528	51.935	ug/l	98
25) 2-Butanone	7.17	43	322565	261.024	ug/l	98
26) 2,2-Dichloropropane	7.16	77	267478	52.624	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	241386	53.371	ug/l	98
28) Bromochloromethane	7.51	49	156144	45.210	ug/l	95
29) Tetrahydrofuran	7.52	42	194055	247.801	ug/l	97
30) Chloroform	7.67	83	398340	53.857	ug/l	99
31) Cyclohexane	7.95	56	351591	45.218	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	341373	53.437	ug/l	99
36) 1,1-Dichloropropene	8.08	75	317221	54.593	ug/l	98
37) Ethyl Acetate	7.25	43	135649	52.765	ug/l	99
38) Carbon Tetrachloride	8.06	117	329186	56.298	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	394252	51.649	ug/l	98
40) Benzene	8.32	78	869776	53.943	ug/l	98
41) Methacrylonitrile	7.48	41	82074	53.918	ug/l	96
42) 1,2-Dichloroethane	8.40	62	248955	53.279	ug/l	99
43) Isopropyl Acetate	8.42	43	279790	52.386	ug/l	97
44) Trichloroethene	9.09	130	246090	56.126	ug/l	99
45) 1,2-Dichloropropane	9.37	63	218345	54.311	ug/l	96
46) Dibromomethane	9.46	93	113589	54.933	ug/l	97
47) Bromodichloromethane	9.64	83	301277	55.085	ug/l	99
48) Methyl methacrylate	9.43	41	133027	50.939	ug/l	98
49) 1,4-Dioxane	9.45	88	38267	1094.846	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	687601	260.595	ug/l	99
52) Toluene	10.39	92	571805	53.723	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	308995	53.094	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	357500	54.130	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	157371	54.869	ug/l	98
56) Ethyl methacrylate	10.65	69	211634	52.660	ug/l	97
57) 1,3-Dichloropropane	10.93	76	274867	53.494	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	508320	260.322	ug/l	97
59) 2-Hexanone	10.97	43	507487	272.443	ug/l	100
60) Dibromochloromethane	11.13	129	204550	55.497	ug/l	99
61) 1,2-Dibromoethane	11.24	107	153635	54.023	ug/l	99
64) Tetrachloroethene	10.86	164	206111	55.245	ug/l	98
65) Chlorobenzene	11.66	112	620324	55.147	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	226380	56.250	ug/l	99
67) Ethyl Benzene	11.73	91	1112802	53.819	ug/l	99
68) m/p-Xylenes	11.84	106	867618	108.149	ug/l	98
69) o-Xylene	12.16	106	414175	54.336	ug/l	97
70) Styrene	12.18	104	676549	53.734	ug/l	98
71) Bromoform	12.35	173	125743	55.532	ug/l	98
73) Isopropylbenzene	12.47	105	1158509	54.756	ug/l	100
74) N-amyl acetate	12.27	43	276193	50.672	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	179155	53.484	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	129881m	52.638	ug/l	
77) Bromobenzene	12.75	156	254330	55.042	ug/l	96
78) n-propylbenzene	12.80	91	1375816	54.141	ug/l	99
79) 2-Chlorotoluene	12.90	91	767268	53.506	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	962057	54.402	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	64481	51.614	ug/l	98
82) 4-Chlorotoluene	12.99	91	811251	53.137	ug/l	98
83) tert-Butylbenzene	13.21	119	843276	53.586	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	976808	54.343	ug/l	100
85) sec-Butylbenzene	13.39	105	1229864	54.722	ug/l	99
86) p-Isopropyltoluene	13.50	119	1098510	55.800	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	522914	56.036	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	510431	55.039	ug/l	99
89) n-Butylbenzene	13.83	91	1044357	54.029	ug/l	99
90) Hexachloroethane	14.10	117	208626	54.190	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	458781	55.563	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	31931	50.240	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	330049	56.014	ug/l	99
94) Hexachlorobutadiene	15.24	225	199659	56.225	ug/l	98
95) Naphthalene	15.37	128	570004	55.094	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	276028	55.225	ug/l	100

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

