

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082619\
 Data File : VW012196.D
 Acq On : 27 Aug 2019 02:26
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/27/2019 11:04:55 AM

Quant Time: Aug 27 06:59:08 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	237187	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	401258	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	357777	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	168059	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	150398	53.34	ug/l	0.00
Spiked Amount			Recovery	=	106.68%	
35) Dibromofluoromethane	7.88	113	118768	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
50) Toluene-d8	10.32	98	475034	48.91	ug/l	0.00
Spiked Amount			Recovery	=	97.82%	
62) 4-Bromofluorobenzene	12.62	95	173812	50.77	ug/l	0.00
Spiked Amount			Recovery	=	101.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	67034	45.900	ug/l	99
3) Chloromethane	2.21	50	110116	48.667	ug/l	100
4) Vinyl Chloride	2.36	62	132177	47.728	ug/l	99
5) Bromomethane	2.77	94	78660	56.084	ug/l	98
6) Chloroethane	2.92	64	82256	52.652	ug/l	95
7) Trichlorofluoromethane	3.25	101	63090	45.369	ug/l	97
8) Diethyl Ether	3.68	74	79194	59.998	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	117453	49.690	ug/l	98
10) Methyl Iodide	4.27	142	180078	56.306	ug/l	99
11) Tert butyl alcohol	5.17	59	54945	323.814	ug/l	99
12) 1,1-Dichloroethene	4.04	96	123510	51.915	ug/l	96
13) Acrolein	3.89	56	42008	263.004	ug/l	95
14) Allyl chloride	4.66	41	272793	53.634	ug/l	99
15) Acrylonitrile	5.36	53	208206	318.240	ug/l	99
16) Acetone	4.12	43	171283	237.648	ug/l	97
17) Carbon Disulfide	4.38	76	361211	50.237	ug/l	100
18) Methyl Acetate	4.67	43	119012	66.668	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	241906	62.876	ug/l	99
20) Methylene Chloride	4.92	84	146602	53.805	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	139010	54.488	ug/l	99
22) Diisopropyl ether	6.31	45	566882	60.130	ug/l	96
23) Vinyl Acetate	6.25	43	1784274	307.531	ug/l	99
24) 1,1-Dichloroethane	6.21	63	290027	56.500	ug/l	99
25) 2-Butanone	7.16	43	296454	302.688	ug/l	99
26) 2,2-Dichloropropane	7.16	77	139603	48.049	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	161205	59.141	ug/l	98
28) Bromochloromethane	7.51	49	124964	55.855	ug/l #	24
29) Tetrahydrofuran	7.52	42	198179	337.267	ug/l	99
30) Chloroform	7.67	83	268496	57.171	ug/l	98
31) Cyclohexane	7.95	56	247537	48.741	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	204272	54.983	ug/l	99
36) 1,1-Dichloropropene	8.08	75	212270	51.192	ug/l	100
37) Ethyl Acetate	7.25	43	137043	60.312	ug/l	100
38) Carbon Tetrachloride	8.07	117	180944	50.417	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	234986	50.445	ug/l	98
40) Benzene	8.32	78	612654	54.110	ug/l	99
41) Methacrylonitrile	7.48	41	84806	63.502	ug/l	97
42) 1,2-Dichloroethane	8.40	62	201691	56.838	ug/l	99
43) Isopropyl Acetate	8.42	43	265513	63.084	ug/l	99
44) Trichloroethene	9.09	130	148297	53.878	ug/l	95
45) 1,2-Dichloropropane	9.37	63	171689	56.343	ug/l	100
46) Dibromomethane	9.46	93	78300	57.752	ug/l	99
47) Bromodichloromethane	9.64	83	202635	56.157	ug/l	97
48) Methyl methacrylate	9.43	41	129009	64.401	ug/l	99
49) 1,4-Dioxane	9.45	88	24328	1172.117	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	687084	320.951	ug/l	100
52) Toluene	10.38	92	374456	55.052	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	216213	58.825	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	252843	56.972	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	113158	58.990	ug/l	99
56) Ethyl methacrylate	10.65	69	181678	65.074	ug/l	99
57) 1,3-Dichloropropane	10.93	76	215236	59.375	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	435195	303.727	ug/l	100
59) 2-Hexanone	10.97	43	467995	308.961	ug/l	99
60) Dibromochloromethane	11.13	129	136502	63.887	ug/l	95
61) 1,2-Dibromoethane	11.23	107	109385	61.208	ug/l	98
64) Tetrachloroethene	10.86	164	128121	55.235	ug/l	98
65) Chlorobenzene	11.66	112	379975	53.936	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	135931	55.308	ug/l	99
67) Ethyl Benzene	11.73	91	727006	53.571	ug/l	99
68) m/p-Xylenes	11.84	106	523575	107.106	ug/l	100
69) o-Xylene	12.16	106	251708	55.634	ug/l	99
70) Styrene	12.18	104	436953	55.796	ug/l	100
71) Bromoform	12.35	173	73645	60.143	ug/l #	98
73) Isopropylbenzene	12.46	105	681295	54.102	ug/l	99
74) N-amyl acetate	12.27	43	244668	64.307	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	139617	60.476	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	92804m	56.699	ug/l	
77) Bromobenzene	12.74	156	156997	57.628	ug/l	97
78) n-propylbenzene	12.80	91	816516	53.112	ug/l	99
79) 2-Chlorotoluene	12.89	91	476085	54.546	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	575621	54.703	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	44049	59.006	ug/l	97
82) 4-Chlorotoluene	12.99	91	496143	54.289	ug/l	99
83) tert-Butylbenzene	13.21	119	489870	54.958	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	576981	54.585	ug/l	100
85) sec-Butylbenzene	13.38	105	686923	53.791	ug/l	99
86) p-Isopropyltoluene	13.50	119	615610	53.979	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	287667	53.984	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	286834	54.212	ug/l	99
89) n-Butylbenzene	13.82	91	593825	52.360	ug/l	100
90) Hexachloroethane	14.09	117	110285	55.118	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	262953	56.251	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	24483	62.906	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	185303	57.361	ug/l	99
94) Hexachlorobutadiene	15.24	225	111748	52.388	ug/l	97
95) Naphthalene	15.36	128	390961	60.666	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	169031	59.972	ug/l	97

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

