

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070819\
 Data File : VW011168.D
 Acq On : 08 Jul 2019 19:01
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/9/2019 4:13:32 PM

Quant Time: Jul 09 07:13:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 09 06:41:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	232099	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	387496	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	346138	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	170276	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	140225	48.08	ug/l	0.00
Spiked Amount			Recovery	=	96.16%	
35) Dibromofluoromethane	7.88	113	110259	47.74	ug/l	0.00
Spiked Amount			Recovery	=	95.48%	
50) Toluene-d8	10.32	98	443334	47.49	ug/l	0.00
Spiked Amount			Recovery	=	94.98%	
62) 4-Bromofluorobenzene	12.62	95	165298	48.31	ug/l	0.00
Spiked Amount			Recovery	=	96.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	77660	44.864	ug/l	97
3) Chloromethane	2.21	50	103198	46.267	ug/l	97
4) Vinyl Chloride	2.36	62	133019	45.564	ug/l	97
5) Bromomethane	2.77	94	69640	47.472	ug/l	97
6) Chloroethane	2.92	64	73847	46.963	ug/l	98
7) Trichlorofluoromethane	3.25	101	43577	42.017	ug/l	97
8) Diethyl Ether	3.67	74	69881	48.697	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	117148	47.157	ug/l	100
10) Methyl Iodide	4.28	142	166202	48.644	ug/l	99
11) Tert butyl alcohol	5.17	59	52031	240.972	ug/l	96
12) 1,1-Dichloroethene	4.04	96	122858	47.649	ug/l	96
13) Acrolein	3.89	56	43168	251.069	ug/l	99
14) Allyl chloride	4.66	41	212802	45.260	ug/l	99
15) Acrylonitrile	5.36	53	177791	243.270	ug/l	99
16) Acetone	4.12	43	167755	239.062	ug/l	97
17) Carbon Disulfide	4.38	76	368722	47.170	ug/l	99
18) Methyl Acetate	4.66	43	92789	46.397	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	190043	48.576	ug/l	98
20) Methylene Chloride	4.92	84	134081	48.435	ug/l	100
21) trans-1,2-Dichloroethene	5.42	96	129697	48.409	ug/l	97
22) Diisopropyl ether	6.31	45	500082	49.451	ug/l	98
23) Vinyl Acetate	6.25	43	1624648	259.592	ug/l	100
24) 1,1-Dichloroethane	6.21	63	258819	48.739	ug/l	100
25) 2-Butanone	7.17	43	272282	247.188	ug/l	98
26) 2,2-Dichloropropane	7.16	77	126422	45.799	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	141535	48.973	ug/l	99
28) Bromochloromethane	7.51	49	119703	49.575	ug/l	99
29) Tetrahydrofuran	7.52	42	180045	249.275	ug/l	99
30) Chloroform	7.67	83	236312	48.052	ug/l	100
31) Cyclohexane	7.95	56	260365	46.087	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	177279	47.388	ug/l	99
36) 1,1-Dichloropropene	8.08	75	193128	46.802	ug/l	100
37) Ethyl Acetate	7.25	43	120639	48.659	ug/l	100
38) Carbon Tetrachloride	8.06	117	167091	47.766	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	240650	48.116	ug/l	99
40) Benzene	8.32	78	544793	47.772	ug/l	98
41) Methacrylonitrile	7.48	41	75990	53.590	ug/l	89
42) 1,2-Dichloroethane	8.40	62	177392	47.952	ug/l	100
43) Isopropyl Acetate	8.42	43	228417	48.798	ug/l	99
44) Trichloroethene	9.09	130	131432	47.893	ug/l	100
45) 1,2-Dichloropropane	9.37	63	149342	48.360	ug/l	100
46) Dibromomethane	9.46	93	70657	48.707	ug/l	99
47) Bromodichloromethane	9.64	83	178826	48.178	ug/l	100
48) Methyl methacrylate	9.43	41	110284	48.973	ug/l	98
49) 1,4-Dioxane	9.44	88	24010	991.573	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	606328	247.970	ug/l	100
52) Toluene	10.38	92	333797	48.252	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	192550	48.735	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	226590	48.724	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	100385	48.778	ug/l	98
56) Ethyl methacrylate	10.65	69	156845	50.058	ug/l	98
57) 1,3-Dichloropropane	10.93	76	187833	48.266	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	384806	264.914	ug/l	98
59) 2-Hexanone	10.97	43	420106	247.745	ug/l	100
60) Dibromochloromethane	11.13	129	111457	49.389	ug/l	99
61) 1,2-Dibromoethane	11.23	107	95212	48.842	ug/l	99
64) Tetrachloroethene	10.86	164	110387	47.261	ug/l	97
65) Chlorobenzene	11.66	112	337602	47.973	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	121256	48.936	ug/l	98
67) Ethyl Benzene	11.73	91	650173	48.261	ug/l	99
68) m/p-Xylenes	11.84	106	476409	97.730	ug/l	99
69) o-Xylene	12.16	106	224204	48.798	ug/l	99
70) Styrene	12.18	104	389850	49.165	ug/l	99
71) Bromoform	12.35	173	62363	47.337	ug/l #	100
73) Isopropylbenzene	12.46	105	611059	48.006	ug/l	99
74) N-amyl acetate	12.27	43	220137	49.657	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	125177	47.975	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	86179m	43.796	ug/l	
77) Bromobenzene	12.75	156	137268	48.054	ug/l	99
78) n-propylbenzene	12.80	91	755457	48.180	ug/l	100
79) 2-Chlorotoluene	12.89	91	427567	47.386	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	525656	48.610	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	40534	46.591	ug/l	99
82) 4-Chlorotoluene	12.99	91	449920	47.873	ug/l	100
83) tert-Butylbenzene	13.21	119	439554	48.739	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	525182	48.367	ug/l	100
85) sec-Butylbenzene	13.38	105	626386	48.134	ug/l	100
86) p-Isopropyltoluene	13.50	119	569258	48.772	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	264490	48.124	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	264311	47.758	ug/l	99
89) n-Butylbenzene	13.82	91	575223	49.402	ug/l	100
90) Hexachloroethane	14.09	117	100949	47.330	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	240033	48.141	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	21778	47.056	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	172981	50.369	ug/l	99
94) Hexachlorobutadiene	15.24	225	100695	47.758	ug/l	98
95) Naphthalene	15.37	128	346264	52.615	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	154793	51.071	ug/l	99

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

