

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100419\
 Data File : VW013450.D
 Acq On : 04 Oct 2019 20:03
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 11:47:51 AM

Quant Time: Oct 05 07:09:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 11:49:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	338460	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	478851	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	411981	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	209581	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	125821	49.79	ug/l	0.00
Spiked Amount			Recovery	=	99.58%	
35) Dibromofluoromethane	7.88	113	123656	49.21	ug/l	0.00
Spiked Amount			Recovery	=	98.42%	
50) Toluene-d8	10.32	98	518226	49.70	ug/l	0.00
Spiked Amount			Recovery	=	99.40%	
62) 4-Bromofluorobenzene	12.62	95	177569	51.00	ug/l	0.00
Spiked Amount			Recovery	=	102.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	50234	38.373	ug/l	99
3) Chloromethane	2.21	50	95421	44.171	ug/l	97
4) Vinyl Chloride	2.36	62	146587	47.813	ug/l	99
5) Bromomethane	2.76	94	83939	44.563	ug/l	95
6) Chloroethane	2.91	64	78638	44.420	ug/l	96
7) Trichlorofluoromethane	3.25	101	70235	52.804	ug/l	97
8) Diethyl Ether	3.68	74	76703	49.823	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	144606	49.037	ug/l	99
10) Methyl Iodide	4.27	142	224542	47.150	ug/l	99
11) Tert butyl alcohol	5.19	59	59680	287.876	ug/l	97
12) 1,1-Dichloroethene	4.04	96	150128	48.185	ug/l	93
13) Acrolein	3.89	56	48609	192.767	ug/l	97
14) Allyl chloride	4.66	41	234817	50.946	ug/l	98
15) Acrylonitrile	5.37	53	193422	277.925	ug/l	99
16) Acetone	4.12	43	165267	213.349	ug/l	98
17) Carbon Disulfide	4.38	76	417094	47.986	ug/l	99
18) Methyl Acetate	4.67	43	97185	53.603	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	244051	53.221	ug/l	98
20) Methylene Chloride	4.91	84	156770	48.421	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	160286	48.308	ug/l	97
22) Diisopropyl ether	6.31	45	450561	50.619	ug/l	98
23) Vinyl Acetate	6.25	43	1422012	266.244	ug/l	99
24) 1,1-Dichloroethane	6.21	63	261627	48.257	ug/l	98
25) 2-Butanone	7.17	43	247101	249.295	ug/l	94
26) 2,2-Dichloropropane	7.17	77	158307	50.484	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	171539	49.391	ug/l	97
28) Bromochloromethane	7.51	49	103680	52.893	ug/l	96
29) Tetrahydrofuran	7.53	42	162969	281.409	ug/l	99
30) Chloroform	7.67	83	254624	47.897	ug/l	98
31) Cyclohexane	7.95	56	275420	47.636	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	209673	50.344	ug/l	98
36) 1,1-Dichloropropene	8.08	75	220803	49.645	ug/l	99
37) Ethyl Acetate	7.25	43	111200	56.630	ug/l	99
38) Carbon Tetrachloride	8.07	117	194254	50.420	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	297277	50.752	ug/l	99
40) Benzene	8.32	78	623212	49.500	ug/l	98
41) Methacrylonitrile	7.48	41	65360	55.225	ug/l	97
42) 1,2-Dichloroethane	8.40	62	165536	51.156	ug/l	97
43) Isopropyl Acetate	8.42	43	208173	56.348	ug/l	98
44) Trichloroethene	9.09	130	177201	49.980	ug/l	94
45) 1,2-Dichloropropane	9.37	63	151941	50.263	ug/l	98
46) Dibromomethane	9.46	93	76784	50.996	ug/l	95
47) Bromodichloromethane	9.64	83	188063	50.738	ug/l	97
48) Methyl methacrylate	9.43	41	104476	58.856	ug/l	95
49) 1,4-Dioxane	9.46	88	28041	1212.081	ug/l #	91
51) 4-Methyl-2-Pentanone	10.21	43	540359	278.389	ug/l	99
52) Toluene	10.38	92	403873	49.734	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	201706	52.317	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	242823	51.947	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	117191	52.175	ug/l	98
56) Ethyl methacrylate	10.65	69	168132	55.613	ug/l	98
57) 1,3-Dichloropropane	10.93	76	204065	52.260	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	368509	296.733	ug/l	99
59) 2-Hexanone	10.97	43	375536	279.130	ug/l	99
60) Dibromochloromethane	11.13	129	137880	53.658	ug/l	98
61) 1,2-Dibromoethane	11.23	107	116768	53.799	ug/l	99
64) Tetrachloroethene	10.86	164	159428	50.865	ug/l	98
65) Chlorobenzene	11.66	112	423403	50.165	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	150679	52.415	ug/l	98
67) Ethyl Benzene	11.73	91	768150	50.780	ug/l	99
68) m/p-Xylenes	11.84	106	589760	101.006	ug/l	99
69) o-Xylene	12.16	106	272802	50.533	ug/l	97
70) Styrene	12.18	104	474627	51.431	ug/l	99
71) Bromoform	12.35	173	85566	54.900	ug/l #	99
73) Isopropylbenzene	12.46	105	776395	50.644	ug/l	100
74) N-amyl acetate	12.27	43	185208	56.767	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	141815	54.654	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	89837m	48.230	ug/l	
77) Bromobenzene	12.74	156	180887	49.139	ug/l	98
78) n-propylbenzene	12.80	91	889825	50.460	ug/l	99
79) 2-Chlorotoluene	12.89	91	496216	50.662	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	631906	49.620	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.51	75	48109	54.509	ug/l	94
82) 4-Chlorotoluene	12.99	91	515645	50.257	ug/l	100
83) tert-Butylbenzene	13.21	119	572462	51.465	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	632395	49.953	ug/l	99
85) sec-Butylbenzene	13.38	105	792259	51.659	ug/l	100
86) p-Isopropyltoluene	13.50	119	728003	51.221	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	346230	49.994	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	333693	48.123	ug/l	99
89) n-Butylbenzene	13.82	91	663496	51.780	ug/l	100
90) Hexachloroethane	14.09	117	122335	52.099	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	305129	49.840	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	22657	58.377	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	227779	51.843	ug/l	98
94) Hexachlorobutadiene	15.23	225	147760	51.771	ug/l	98
95) Naphthalene	15.36	128	434411	58.612	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	201307	52.478	ug/l	99

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

