

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102319\
 Data File : VW013666.D
 Acq On : 23 Oct 2019 13:34
 Operator : SY/VA
 Sample : VSTDICC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 10/24/2019 1:26:56 PM

Quant Time: Oct 23 14:11:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 13:51:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	358058	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	512805	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	443631	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	219167	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	398943	142.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	285.50%	
35) Dibromofluoromethane	7.88	113	414365	143.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	286.12%	
50) Toluene-d8	10.32	98	1710144	140.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	281.66%	
62) 4-Bromofluorobenzene	12.62	95	569870	139.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	279.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	237310	188.833	ug/l	100
3) Chloromethane	2.21	50	272255	133.085	ug/l	97
4) Vinyl Chloride	2.37	62	394681	129.307	ug/l	98
5) Bromomethane	2.78	94	260285	141.046	ug/l	99
6) Chloroethane	2.92	64	243045	139.487	ug/l	99
7) Trichlorofluoromethane	3.26	101	260610	173.828	ug/l	97
8) Diethyl Ether	3.68	74	219287	144.742	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	403848	134.174	ug/l	99
10) Methyl Iodide	4.28	142	684770	142.726	ug/l	100
11) Tert butyl alcohol	5.20	59	107292	477.349	ug/l	96
12) 1,1-Dichloroethene	4.04	96	433242	138.632	ug/l	97
13) Acrolein	3.89	56	136578	635.406	ug/l	99
14) Allyl chloride	4.67	41	685320	142.623	ug/l	99
15) Acrylonitrile	5.37	53	450993	650.385	ug/l	98
16) Acetone	4.13	43	426033	670.158	ug/l	96
17) Carbon Disulfide	4.38	76	1245192	141.450	ug/l	99
18) Methyl Acetate	4.67	43	221906	122.405	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	527990	115.564	ug/l	99
20) Methylene Chloride	4.92	84	425243	119.572	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	471178	141.457	ug/l	97
22) Diisopropyl ether	6.31	45	1239784	138.056	ug/l	95
23) Vinyl Acetate	6.25	43	3817408	711.785	ug/l	99
24) 1,1-Dichloroethane	6.21	63	787456	142.513	ug/l	99
25) 2-Butanone	7.17	43	590736	633.338	ug/l	98
26) 2,2-Dichloropropane	7.16	77	405968	116.565	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	509388	144.312	ug/l	100
28) Bromochloromethane	7.51	49	303347	153.806	ug/l #	99
29) Tetrahydrofuran	7.53	42	364798	640.658	ug/l	100
30) Chloroform	7.67	83	759628	142.297	ug/l	99
31) Cyclohexane	7.95	56	759189	130.360	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	596744	138.182	ug/l	99
36) 1,1-Dichloropropene	8.08	75	633631	135.856	ug/l	99
37) Ethyl Acetate	7.25	43	260659	126.365	ug/l	99
38) Carbon Tetrachloride	8.07	117	578999	140.328	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	840255	138.968	ug/l	99
40) Benzene	8.32	78	1821063	139.562	ug/l	100
41) Methacrylonitrile	7.48	41	156505	132.653	ug/l	99
42) 1,2-Dichloroethane	8.40	62	469540	142.297	ug/l	99
43) Isopropyl Acetate	8.42	43	508196	135.120	ug/l	98
44) Trichloroethene	9.09	130	519848	139.615	ug/l	99
45) 1,2-Dichloropropane	9.37	63	443303	141.390	ug/l	96
46) Dibromomethane	9.46	93	219292	140.853	ug/l	98
47) Bromodichloromethane	9.65	83	574478	147.698	ug/l	98
48) Methyl methacrylate	9.43	41	255779	137.257	ug/l	98
49) 1,4-Dioxane	9.46	88	60331	2276.965	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	1238392	630.778	ug/l	99
52) Toluene	10.38	92	1181605	140.521	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	601274	149.181	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	730470	149.141	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	322074	138.223	ug/l	99
56) Ethyl methacrylate	10.65	69	442857	142.916	ug/l	100
57) 1,3-Dichloropropane	10.93	76	563948	140.757	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	1035281	710.529	ug/l	99
59) 2-Hexanone	10.97	43	881868	656.612	ug/l	98
60) Dibromochloromethane	11.13	129	403799	150.572	ug/l	99
61) 1,2-Dibromoethane	11.23	107	312258	140.796	ug/l	100
64) Tetrachloroethene	10.86	164	451148	137.252	ug/l	97
65) Chlorobenzene	11.66	112	1233333	139.144	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	440218	142.631	ug/l	99
67) Ethyl Benzene	11.73	91	2221672	136.999	ug/l	99
68) m/p-Xylenes	11.84	106	1722817	279.271	ug/l	97
69) o-Xylene	12.16	106	802020	140.455	ug/l	98
70) Styrene	12.18	104	1395243	142.394	ug/l	99
71) Bromoform	12.35	173	241046	143.574	ug/l #	98
73) Isopropylbenzene	12.46	105	2136769	135.834	ug/l	99
74) N-amyl acetate	12.27	43	462331	136.878	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	342300	129.204	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	215507m	119.683	ug/l	
77) Bromobenzene	12.74	156	521912	139.520	ug/l	99
78) n-propylbenzene	12.80	91	2501258	137.445	ug/l	100
79) 2-Chlorotoluene	12.89	91	1397891	136.857	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	1802598	137.246	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	122780	138.955	ug/l	98
82) 4-Chlorotoluene	12.99	91	1463606	137.736	ug/l	98
83) tert-Butylbenzene	13.21	119	1612968	138.300	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	1768510	136.144	ug/l	100
85) sec-Butylbenzene	13.38	105	2176748	135.589	ug/l	100
86) p-Isopropyltoluene	13.49	119	2019217	136.552	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	987615	138.882	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	965675	138.563	ug/l	100
89) n-Butylbenzene	13.82	91	1845460	138.210	ug/l	100
90) Hexachloroethane	14.09	117	359902	141.295	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	853502	136.366	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	52506	125.096	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	661386	148.756	ug/l	99
94) Hexachlorobutadiene	15.24	225	415008	140.512	ug/l	98
95) Naphthalene	15.36	128	1103365	145.088	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	562345	144.560	ug/l	98

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

