

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100819\
 Data File : VW013483.D
 Acq On : 08 Oct 2019 12:37
 Operator : SY/VA
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 4:09:35 PM

Quant Time: Oct 09 05:41:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 05:13:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	301640	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	429621	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	367146	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	183150	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	347439	149.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	298.18%	
35) Dibromofluoromethane	7.88	113	354284	147.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	295.30%	
50) Toluene-d8	10.32	98	1497558	148.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	297.02%	
62) 4-Bromofluorobenzene	12.62	95	498432	147.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	294.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	161256	161.392	ug/l	98
3) Chloromethane	2.21	50	231212	131.649	ug/l	99
4) Vinyl Chloride	2.36	62	364610	140.745	ug/l	98
5) Bromomethane	2.77	94	215518	139.430	ug/l	98
6) Chloroethane	2.91	64	209787	144.200	ug/l	100
7) Trichlorofluoromethane	3.25	101	186062	151.801	ug/l	98
8) Diethyl Ether	3.68	74	190731	150.342	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	365998	144.884	ug/l	99
10) Methyl Iodide	4.27	142	572134	143.027	ug/l	99
11) Tert butyl alcohol	5.20	59	137205	774.533	ug/l	98
12) 1,1-Dichloroethene	4.04	96	382623	146.153	ug/l	98
13) Acrolein	3.89	56	160387	844.189	ug/l	98
14) Allyl chloride	4.66	41	591844	147.108	ug/l	98
15) Acrylonitrile	5.36	53	461646	778.564	ug/l	100
16) Acetone	4.13	43	425030	783.730	ug/l	100
17) Carbon Disulfide	4.38	76	1079526	146.904	ug/l	100
18) Methyl Acetate	4.67	43	234897	151.208	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	574744	145.184	ug/l	100
20) Methylene Chloride	4.91	84	366088	122.621	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	402535	144.698	ug/l	98
22) Diisopropyl ether	6.31	45	1098764	145.765	ug/l	98
23) Vinyl Acetate	6.25	43	3504012	774.274	ug/l	98
24) 1,1-Dichloroethane	6.21	63	668887	145.181	ug/l	99
25) 2-Butanone	7.17	43	600904	751.842	ug/l	99
26) 2,2-Dichloropropane	7.16	77	391961	131.968	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	427523	145.238	ug/l	98
28) Bromochloromethane	7.51	49	268115	163.169	ug/l #	98
29) Tetrahydrofuran	7.52	42	383193	784.460	ug/l	99
30) Chloroform	7.67	83	640430	143.705	ug/l	95
31) Cyclohexane	7.95	56	676485	138.724	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	529025	146.032	ug/l	99
36) 1,1-Dichloropropene	8.08	75	553690	142.467	ug/l	100
37) Ethyl Acetate	7.25	43	258791	146.760	ug/l	99
38) Carbon Tetrachloride	8.07	117	506977	147.151	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	746975	148.350	ug/l	99
40) Benzene	8.32	78	1544758	142.388	ug/l	100
41) Methacrylonitrile	7.48	41	160579	160.142	ug/l	96
42) 1,2-Dichloroethane	8.40	62	401908	146.565	ug/l	99
43) Isopropyl Acetate	8.42	43	493137	154.794	ug/l	99
44) Trichloroethene	9.09	130	448413	144.885	ug/l	100
45) 1,2-Dichloropropane	9.37	63	377231	144.870	ug/l	99
46) Dibromomethane	9.46	93	193180	148.917	ug/l	99
47) Bromodichloromethane	9.64	83	485032	150.413	ug/l	99
48) Methyl methacrylate	9.43	41	249767	159.164	ug/l	97
49) 1,4-Dioxane	9.46	88	66901	2937.105	ug/l #	95
51) 4-Methyl-2-Pentanone	10.21	43	1267764	756.930	ug/l	100
52) Toluene	10.38	92	999148	142.974	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	519607	155.071	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	616776	151.934	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	289470	148.664	ug/l	97
56) Ethyl methacrylate	10.65	69	413814	157.794	ug/l	99
57) 1,3-Dichloropropane	10.93	76	496724	148.567	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	975355	788.334	ug/l	99
59) 2-Hexanone	10.97	43	899845	783.498	ug/l	100
60) Dibromochloromethane	11.13	129	348811	155.775	ug/l	98
61) 1,2-Dibromoethane	11.23	107	284532	153.633	ug/l	98
64) Tetrachloroethene	10.86	164	384487	142.289	ug/l	99
65) Chlorobenzene	11.66	112	1054710	144.573	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	371698	146.674	ug/l	100
67) Ethyl Benzene	11.73	91	1930511	144.780	ug/l	99
68) m/p-Xylenes	11.84	106	1473645	290.465	ug/l	100
69) o-Xylene	12.16	106	681066	145.299	ug/l	99
70) Styrene	12.18	104	1183569	147.060	ug/l	100
71) Bromoform	12.35	173	219801	158.089	ug/l #	99
73) Isopropylbenzene	12.46	105	1923681	146.632	ug/l	99
74) N-amyl acetate	12.27	43	447515	155.971	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	328480	146.898	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	208133m	141.493	ug/l	
77) Bromobenzene	12.74	156	443181	142.518	ug/l	97
78) n-propylbenzene	12.80	91	2186536	144.132	ug/l	99
79) 2-Chlorotoluene	12.89	91	1214738	142.922	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1570165	144.045	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	123068	164.924	ug/l	97
82) 4-Chlorotoluene	12.99	91	1249066	141.591	ug/l	100
83) tert-Butylbenzene	13.21	119	1413648	146.028	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	1532314	142.134	ug/l	100
85) sec-Butylbenzene	13.38	105	1928432	144.173	ug/l	100
86) p-Isopropyltoluene	13.50	119	1783594	145.132	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	841127	142.653	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	827962	143.339	ug/l	99
89) n-Butylbenzene	13.82	91	1616828	145.639	ug/l	99
90) Hexachloroethane	14.09	117	312279	148.508	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	745500	143.201	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	54385	152.560	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	559858	152.165	ug/l	98
94) Hexachlorobutadiene	15.24	225	351132	143.610	ug/l	99
95) Naphthalene	15.36	128	1040587	163.498	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	490982	152.606	ug/l	99

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

