

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012420\
 Data File : VW014741.D
 Acq On : 24 Jan 2020 12:44
 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
 1/27/2020 12:06:22 PM

Quant Time: Jan 24 13:10:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012420S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 24 12:36:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	714254	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1101196	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	976036	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	474543	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	948881	149.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	298.20%	
35) Dibromofluoromethane	7.88	113	887705	139.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	279.50%	
50) Toluene-d8	10.32	98	3726601	140.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	280.52%	
62) 4-Bromofluorobenzene	12.62	95	1296325	144.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	288.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	686161	162.556	ug/l	100
3) Chloromethane	2.21	50	849224	163.561	ug/l	99
4) Vinyl Chloride	2.36	62	1220981	158.803	ug/l	98
5) Bromomethane	2.73	94	690936m	148.174	ug/l	
6) Chloroethane	2.91	64	717691	164.740	ug/l	100
7) Trichlorofluoromethane	3.24	101	702795	184.118	ug/l	100
8) Diethyl Ether	3.67	74	525585	144.589	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	963852	139.996	ug/l	100
10) Methyl Iodide	4.27	142	1428444	138.711	ug/l	98
11) Tert butyl alcohol	5.16	59	339048	638.663	ug/l	98
12) 1,1-Dichloroethene	4.04	96	1018872	141.455	ug/l	97
13) Acrolein	3.89	56	403286	771.342	ug/l	100
14) Allyl chloride	4.66	41	1703542	152.706	ug/l	99
15) Acrylonitrile	5.35	53	1222235	744.257	ug/l	99
16) Acetone	4.11	43	1144177	658.931	ug/l	100
17) Carbon Disulfide	4.38	76	3263498	148.917	ug/l	100
18) Methyl Acetate	4.66	43	544789	131.565	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	1277440	143.117	ug/l	99
20) Methylene Chloride	4.91	84	1045539	126.129	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	1065191	139.257	ug/l	98
22) Diisopropyl ether	6.31	45	3034115	145.252	ug/l	98
23) Vinyl Acetate	6.24	43	9604749	771.793	ug/l	99
24) 1,1-Dichloroethane	6.21	63	1897727	144.877	ug/l	99
25) 2-Butanone	7.16	43	1628496	729.886	ug/l	100
26) 2,2-Dichloropropane	7.16	77	963754	132.779	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	1138307	141.913	ug/l	99
28) Bromochloromethane	7.51	49	783879	154.116	ug/l	100
29) Tetrahydrofuran	7.52	42	1032172	742.780	ug/l	99
30) Chloroform	7.67	83	1743187	142.531	ug/l	99
31) Cyclohexane	7.95	56	1878080	138.314	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	1413573	143.861	ug/l	99
36) 1,1-Dichloropropene	8.08	75	1501496	139.363	ug/l	100
37) Ethyl Acetate	7.24	43	698825	146.672	ug/l	99
38) Carbon Tetrachloride	8.06	117	1311653	140.441	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	1920914	140.063	ug/l	99
40) Benzene	8.32	78	4187067	137.451	ug/l	100
41) Methacrylonitrile	7.48	41	416040	155.636	ug/l	98
42) 1,2-Dichloroethane	8.40	62	1125624	141.944	ug/l	99
43) Isopropyl Acetate	8.42	43	1316778	151.061	ug/l	99
44) Trichloroethene	9.09	130	1104621	135.176	ug/l	99
45) 1,2-Dichloropropane	9.37	63	1056899	141.249	ug/l	97
46) Dibromomethane	9.45	93	502024	137.940	ug/l	99
47) Bromodichloromethane	9.64	83	1310824	143.884	ug/l	99
48) Methyl methacrylate	9.43	41	668977	158.828	ug/l	94
49) 1,4-Dioxane	9.44	88	181216	2718.532	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	3364883	746.770	ug/l	98
52) Toluene	10.38	92	2616089	137.317	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	1396929	149.721	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	1682927	146.967	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	732385	138.230	ug/l	99
56) Ethyl methacrylate	10.64	69	1060096	154.747	ug/l	98
57) 1,3-Dichloropropane	10.93	76	1330718	141.947	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	1758175	836.857	ug/l	99
59) 2-Hexanone	10.96	43	2379223	771.006	ug/l	98
60) Dibromochloromethane	11.13	129	847018	141.703	ug/l	98
61) 1,2-Dibromoethane	11.23	107	696355	139.272	ug/l	98
64) Tetrachloroethene	10.86	164	917388	130.154	ug/l	95
65) Chlorobenzene	11.65	112	2706294	134.840	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	929991	137.666	ug/l	99
67) Ethyl Benzene	11.73	91	4979945	137.158	ug/l	98
68) m/p-Xylenes	11.83	106	3733903	269.343	ug/l	98
69) o-Xylene	12.16	106	1752400	136.950	ug/l	99
70) Styrene	12.18	104	3023401	139.874	ug/l	99
71) Bromoform	12.35	173	503365	139.003	ug/l #	99
73) Isopropylbenzene	12.46	105	4770725	136.326	ug/l	99
74) N-amyl acetate	12.27	43	1224130	156.344	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	853850	136.945	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	652674m	147.079	ug/l	
77) Bromobenzene	12.74	156	1090858	134.173	ug/l	99
78) n-propylbenzene	12.80	91	5708974	137.710	ug/l	99
79) 2-Chlorotoluene	12.89	91	3226220	136.848	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	4049179	137.158	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	303767	152.420	ug/l	97
82) 4-Chlorotoluene	12.99	91	3363641	137.152	ug/l	100
83) tert-Butylbenzene	13.21	119	3540834	137.423	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	4012818	136.453	ug/l	99
85) sec-Butylbenzene	13.38	105	4887614	136.663	ug/l	99
86) p-Isopropyltoluene	13.49	119	4516053	138.398	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	2121577	134.086	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	2073190	133.081	ug/l	99
89) n-Butylbenzene	13.82	91	4318581	142.124	ug/l	99
90) Hexachloroethane	14.09	117	808442	142.353	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	1859129	133.662	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	137922	140.062	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	1288119	138.403	ug/l	98
94) Hexachlorobutadiene	15.23	225	792514	126.044	ug/l	98
95) Naphthalene	15.36	128	2382333	151.806	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	1095601	135.284	ug/l	98

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

