

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030719\
 Data File : VW009035.D
 Acq On : 07 Mar 2019 12:38
 Operator : SY/VA
 Sample : VSTDIC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 3/8/2019 12:06:53 PM

Quant Time: Mar 08 04:53:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 03:11:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	288484	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	416364	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	405802	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	229204	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	297894	100.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.50%	
35) Dibromofluoromethane	7.88	113	262330	104.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	208.94%	
50) Toluene-d8	10.32	98	1049828	101.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	202.18%	
62) 4-Bromofluorobenzene	12.62	95	415593	101.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	203.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	259581	89.412	ug/l	98
3) Chloromethane	2.21	50	356177	97.494	ug/l	99
4) Vinyl Chloride	2.35	62	366427	97.694	ug/l	99
5) Bromomethane	2.76	94	310092	97.079	ug/l	98
6) Chloroethane	2.91	64	264555	98.655	ug/l	99
7) Trichlorofluoromethane	3.25	101	477516	99.662	ug/l	97
8) Diethyl Ether	3.68	74	153116	105.959	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.06	101	292237	98.069	ug/l	99
10) Methyl Iodide	4.27	142	349653	123.485	ug/l	100
11) Tert butyl alcohol	5.18	59	104499m	505.847	ug/l	
12) 1,1-Dichloroethene	4.04	96	266062	102.571	ug/l	95
13) Acrolein	3.90	56	123609	499.818	ug/l	99
14) Allyl chloride	4.67	41	472073	104.957	ug/l	99
15) Acrylonitrile	5.37	53	341268	523.675	ug/l	99
16) Acetone	4.13	43	337779	511.109	ug/l	99
17) Carbon Disulfide	4.37	76	898761	103.393	ug/l	99
18) Methyl Acetate	4.67	43	158207	104.153	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	715041	104.553	ug/l	99
20) Methylene Chloride	4.92	84	299986	79.740	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	301175	100.518	ug/l	97
22) Diisopropyl ether	6.31	45	947126	104.563	ug/l	99
23) Vinyl Acetate	6.26	43	3041184	538.642	ug/l	100
24) 1,1-Dichloroethane	6.21	63	538929	102.600	ug/l	99
25) 2-Butanone	7.17	43	475950	530.541	ug/l	99
26) 2,2-Dichloropropane	7.16	77	474919	98.954	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	328221	102.851	ug/l	98
28) Bromochloromethane	7.51	49	229809	105.710	ug/l	96
29) Tetrahydrofuran	7.53	42	307572	534.753	ug/l	99
30) Chloroform	7.67	83	557713	103.904	ug/l	97
31) Cyclohexane	7.95	56	494067	92.442	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	497759	100.700	ug/l	99
36) 1,1-Dichloropropene	8.08	75	418492	97.142	ug/l	99
37) Ethyl Acetate	7.25	43	208908	103.218	ug/l	99
38) Carbon Tetrachloride	8.07	117	443472	99.327	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	533048	103.308	ug/l	99
40) Benzene	8.32	78	1163133	101.541	ug/l	97
41) Methacrylonitrile	7.48	41	138228m	129.598	ug/l	
42) 1,2-Dichloroethane	8.40	62	382267	102.407	ug/l	100
43) Isopropyl Acetate	8.42	43	405798	107.186	ug/l	98
44) Trichloroethene	9.09	130	312696	97.095	ug/l	98
45) 1,2-Dichloropropane	9.37	63	284283	99.765	ug/l	98
46) Dibromomethane	9.46	93	163856	103.529	ug/l	100
47) Bromodichloromethane	9.64	83	406207	101.827	ug/l	98
48) Methyl methacrylate	9.43	41	192253	107.693	ug/l	92
49) 1,4-Dioxane	9.46	88	44160	1900.555	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	1045132	541.625	ug/l	100
52) Toluene	10.39	92	805153	103.055	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	419938	105.859	ug/l	93
54) cis-1,3-Dichloropropene	10.07	75	472070	104.296	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	216787	101.080	ug/l	98
56) Ethyl methacrylate	10.65	69	299826	111.489	ug/l	98
57) 1,3-Dichloropropane	10.93	76	387135	101.679	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	743240	531.899	ug/l	99
59) 2-Hexanone	10.97	43	741622	544.390	ug/l	100
60) Dibromochloromethane	11.13	129	276912	105.089	ug/l	98
61) 1,2-Dibromoethane	11.23	107	213242	102.309	ug/l	99
64) Tetrachloroethene	10.86	164	288322	97.864	ug/l	96
65) Chlorobenzene	11.66	112	872249	99.774	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	303813	104.238	ug/l	99
67) Ethyl Benzene	11.73	91	1644348	104.686	ug/l	99
68) m/p-Xylenes	11.84	106	1298694	209.201	ug/l	99
69) o-Xylene	12.16	106	613982	106.090	ug/l	100
70) Styrene	12.18	104	1023717	108.658	ug/l	100
71) Bromoform	12.35	173	172681	109.260	ug/l #	98
73) Isopropylbenzene	12.46	105	1703070	104.563	ug/l	100
74) N-amyl acetate	12.27	43	434103	111.497	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	260473	100.539	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	190395m	74.601	ug/l	
77) Bromobenzene	12.75	156	371661	99.793	ug/l	98
78) n-propylbenzene	12.80	91	2095596	104.807	ug/l	100
79) 2-Chlorotoluene	12.90	91	1160373	103.278	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	1468560	104.617	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	87150	108.475	ug/l	98
82) 4-Chlorotoluene	12.99	91	1244749	103.978	ug/l	100
83) tert-Butylbenzene	13.21	119	1247291	105.780	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	1501422	105.950	ug/l	99
85) sec-Butylbenzene	13.38	105	1836709	105.125	ug/l	100
86) p-Isopropyltoluene	13.50	119	1663321	106.210	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	792136	101.435	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	762261	98.808	ug/l	100
89) n-Butylbenzene	13.83	91	1573281	105.377	ug/l	100
90) Hexachloroethane	14.10	117	277001	102.682	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	686047	100.291	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	45909	95.455	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	463251	99.033	ug/l	99
94) Hexachlorobutadiene	15.24	225	274348	93.832	ug/l	99
95) Naphthalene	15.37	128	818713	105.643	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	393973	95.916	ug/l	99

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

