

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013178.D
 Acq On : 20 Sep 2019 13:09
 Operator : SY/VA
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 9/24/2019 5:28:42 AM

Quant Time: Sep 20 15:11:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 14:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	336519	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	480644	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	412646	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	208501	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	28005	9.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.50%	
35) Dibromofluoromethane	7.88	113	25651	9.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.74%	
50) Toluene-d8	10.32	98	109788	10.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.42%	
62) 4-Bromofluorobenzene	12.62	95	37524	10.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.46%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.00	85	18874	12.391	ug/l	100
3) Chloromethane	2.21	50	26658	13.733	ug/l	99
4) Vinyl Chloride	2.36	62	33450	13.184	ug/l	96
5) Bromomethane	2.77	94	20892	13.272	ug/l	90
6) Chloroethane	2.92	64	19296	12.465	ug/l	89
7) Trichlorofluoromethane	3.25	101	18340	10.774	ug/l	96
8) Diethyl Ether	3.68	74	15134	11.125	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	31094	11.820	ug/l	98
10) Methyl Iodide	4.27	142	46009	13.376	ug/l	99
11) Tert butyl alcohol	5.19	59	13261m	56.268	ug/l	
12) 1,1-Dichloroethene	4.04	96	31256	12.747	ug/l	92
13) Acrolein	3.90	56	8923	41.800	ug/l	100
14) Allyl chloride	4.67	41	48454	10.776	ug/l	99
15) Acrylonitrile	5.36	53	34311	51.228	ug/l	96
16) Acetone	4.12	43	32421	45.466	ug/l	92
17) Carbon Disulfide	4.38	76	87261	16.163	ug/l	98
18) Methyl Acetate	4.67	43	17771	10.091	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	48334	10.510	ug/l	99
20) Methylene Chloride	4.91	84	36673	12.139	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	33211	12.607	ug/l	96
22) Diisopropyl ether	6.31	45	91989	10.002	ug/l	95
23) Vinyl Acetate	6.26	43	274179	50.135	ug/l	97
24) 1,1-Dichloroethane	6.21	63	57297	10.695	ug/l	96
25) 2-Butanone	7.17	43	49151	50.788	ug/l	94
26) 2,2-Dichloropropane	7.16	77	40119	10.728	ug/l	95
27) cis-1,2-Dichloroethene	7.17	96	34638	11.234	ug/l	92
28) Bromochloromethane	7.51	49	20432	9.104	ug/l	100
29) Tetrahydrofuran	7.54	42	28757	51.458	ug/l	97
30) Chloroform	7.67	83	55997	10.409	ug/l	97
31) Cyclohexane	7.95	56	60752	12.770	ug/l #	93
32) 1,1,1-Trichloroethane	7.87	97	44070	9.931	ug/l	98
36) 1,1-Dichloropropene	8.08	75	47426	11.967	ug/l	98
37) Ethyl Acetate	7.25	43	21223	10.526	ug/l	98
38) Carbon Tetrachloride	8.07	117	41510	10.450	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	58900	13.038	ug/l	95
40) Benzene	8.32	78	129223	11.680	ug/l	95
41) Methacrylonitrile	7.48	41	11168	8.501	ug/l	92
42) 1,2-Dichloroethane	8.40	62	35551	9.968	ug/l	99
43) Isopropyl Acetate	8.42	43	40008	10.367	ug/l	96
44) Trichloroethene	9.09	130	36361	11.918	ug/l	96
45) 1,2-Dichloropropane	9.37	63	31325	10.854	ug/l	97
46) Dibromomethane	9.46	93	15376	11.094	ug/l	98
47) Bromodichloromethane	9.65	83	37513	9.817	ug/l	99
48) Methyl methacrylate	9.43	41	17544	9.665	ug/l	96
49) 1,4-Dioxane	9.47	88	5625	253.353	ug/l #	92
51) 4-Methyl-2-Pentanone	10.21	43	98882	49.840	ug/l	99
52) Toluene	10.38	92	81487	11.579	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	38188	9.883	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	46696	10.467	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	23171	11.011	ug/l	98
56) Ethyl methacrylate	10.65	69	29659	10.534	ug/l	98
57) 1,3-Dichloropropane	10.93	76	39410	10.586	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	66878	44.898	ug/l	99
59) 2-Hexanone	10.97	43	67971	49.461	ug/l	98
60) Dibromochloromethane	11.13	129	25005	9.949	ug/l	99
61) 1,2-Dibromoethane	11.23	107	21963	11.405	ug/l	99
64) Tetrachloroethene	10.86	164	32700	12.752	ug/l	97
65) Chlorobenzene	11.66	112	85873	11.391	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	28507	10.071	ug/l	99
67) Ethyl Benzene	11.73	91	156458	11.280	ug/l	100
68) m/p-Xylenes	11.84	106	118473	23.179	ug/l	98
69) o-Xylene	12.16	106	55682	11.653	ug/l	96
70) Styrene	12.18	104	93708	11.067	ug/l	99
71) Bromoform	12.35	173	15868	10.729	ug/l #	94
73) Isopropylbenzene	12.46	105	155238	11.056	ug/l	98
74) N-amyl acetate	12.27	43	34016	9.664	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	27148	11.186	ug/l	95
76) 1,2,3-Trichloropropane	12.77	75	21418m	11.775	ug/l	
77) Bromobenzene	12.74	156	36763	11.239	ug/l	99
78) n-propylbenzene	12.80	91	179298	10.863	ug/l	100
79) 2-Chlorotoluene	12.89	91	99958	10.571	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	130851	11.002	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	7959	9.901	ug/l	96
82) 4-Chlorotoluene	12.99	91	106651	10.747	ug/l	99
83) tert-Butylbenzene	13.21	119	114730	10.835	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	130873	11.142	ug/l	99
85) sec-Butylbenzene	13.38	105	156924	10.843	ug/l	99
86) p-Isopropyltoluene	13.50	119	145560	10.939	ug/l	99
87) 1,3-Dichlorobenzene	13.49	146	70517	10.979	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	68872	10.938	ug/l	97
89) n-Butylbenzene	13.82	91	127894	10.246	ug/l	100
90) Hexachloroethane	14.09	117	23855	10.083	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	60476	10.735	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	4236	9.704	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	40521	10.066	ug/l	98
94) Hexachlorobutadiene	15.24	225	29370	10.358	ug/l	97
95) Naphthalene	15.36	128	63940	9.581	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	34535	9.737	ug/l	98

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

