

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013181.D
 Acq On : 20 Sep 2019 14:27
 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
 9/24/2019 5:28:48 AM

Quant Time: Sep 20 15:17:49 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	362991	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	522738	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	457092	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	226889	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	291216	89.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	178.32%	
35) Dibromofluoromethane	7.88	113	287802	101.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	203.66%	
50) Toluene-d8	10.32	98	1205184	108.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	216.28%	
62) 4-Bromofluorobenzene	12.62	95	413902	103.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	207.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	211292	128.595	ug/l	96
3) Chloromethane	2.21	50	245330	117.163	ug/l	99
4) Vinyl Chloride	2.36	62	336864	123.088	ug/l	98
5) Bromomethane	2.77	94	210918	124.220	ug/l	93
6) Chloroethane	2.92	64	200781	120.246	ug/l	98
7) Trichlorofluoromethane	3.25	101	211076	114.957	ug/l	97
8) Diethyl Ether	3.68	74	170342	116.082	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	320062	112.794	ug/l	99
10) Methyl Iodide	4.27	142	505510	136.251	ug/l	100
11) Tert butyl alcohol	5.20	59	103368m	406.615	ug/l	
12) 1,1-Dichloroethene	4.04	96	336539	127.236	ug/l	99
13) Acrolein	3.89	56	90672	393.783	ug/l	100
14) Allyl chloride	4.67	41	543065	111.968	ug/l	100
15) Acrylonitrile	5.37	53	374872	518.884	ug/l	99
16) Acetone	4.12	43	335757	436.513	ug/l	97
17) Carbon Disulfide	4.38	76	1005829	172.722	ug/l	99
18) Methyl Acetate	4.67	43	183747	96.733	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	515614	103.943	ug/l	100
20) Methylene Chloride	4.92	84	342154	105.000	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	364361	128.223	ug/l	97
22) Diisopropyl ether	6.31	45	1032354	104.060	ug/l	99
23) Vinyl Acetate	6.25	43	3167936	537.024	ug/l	99
24) 1,1-Dichloroethane	6.21	63	611798	105.871	ug/l	99
25) 2-Butanone	7.17	43	494375	473.589	ug/l	97
26) 2,2-Dichloropropane	7.16	77	366908	90.961	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	387221	116.432	ug/l	99
28) Bromochloromethane	7.51	49	250393	103.435	ug/l #	98
29) Tetrahydrofuran	7.53	42	318534	528.415	ug/l	99
30) Chloroform	7.67	83	590142	101.695	ug/l	98
31) Cyclohexane	7.95	56	614803	119.809	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	483814	101.075	ug/l	100
36) 1,1-Dichloropropene	8.08	75	503795	116.887	ug/l	98
37) Ethyl Acetate	7.25	43	220718	100.656	ug/l	99
38) Carbon Tetrachloride	8.07	117	461746	106.880	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	660742	134.480	ug/l	99
40) Benzene	8.32	78	1416864	117.750	ug/l	99
41) Methacrylonitrile	7.48	41	135270	94.673	ug/l	99
42) 1,2-Dichloroethane	8.40	62	379740	97.899	ug/l	100
43) Isopropyl Acetate	8.42	43	429522	102.340	ug/l	99
44) Trichloroethene	9.09	130	394547	118.902	ug/l	98
45) 1,2-Dichloropropane	9.37	63	347299	110.653	ug/l	98
46) Dibromomethane	9.46	93	170461	113.087	ug/l	99
47) Bromodichloromethane	9.64	83	441235	106.167	ug/l	97
48) Methyl methacrylate	9.43	41	220070	111.479	ug/l	94
49) 1,4-Dioxane	9.46	88	51070	2114.995	ug/l #	89
51) 4-Methyl-2-Pentanone	10.21	43	1083790	502.276	ug/l	100
52) Toluene	10.38	92	914038	119.427	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	472467	112.425	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	564732	116.389	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	254463	111.189	ug/l	98
56) Ethyl methacrylate	10.65	69	357002	116.582	ug/l	99
57) 1,3-Dichloropropane	10.93	76	441021	108.926	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	803707	496.115	ug/l	100
59) 2-Hexanone	10.97	43	760254	508.676	ug/l	100
60) Dibromochloromethane	11.13	129	301790	110.407	ug/l	100
61) 1,2-Dibromoethane	11.24	107	243454	116.245	ug/l	99
64) Tetrachloroethene	10.86	164	343861	121.052	ug/l	96
65) Chlorobenzene	11.66	112	952747	114.089	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	338387	107.917	ug/l	99
67) Ethyl Benzene	11.73	91	1745841	113.632	ug/l	99
68) m/p-Xylenes	11.84	106	1329230	234.773	ug/l	100
69) o-Xylene	12.16	106	620290	117.192	ug/l	98
70) Styrene	12.18	104	1073044	114.400	ug/l	99
71) Bromoform	12.35	173	181859	111.009	ug/l #	100
73) Isopropylbenzene	12.46	105	1713236	112.131	ug/l	100
74) N-amyl acetate	12.27	43	398444	104.020	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	282814	107.086	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	184657m	93.291	ug/l	
77) Bromobenzene	12.74	156	401456	112.784	ug/l	98
78) n-propylbenzene	12.80	91	2002805	111.510	ug/l	100
79) 2-Chlorotoluene	12.89	91	1112397	108.108	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	1435571	110.917	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	99829	114.127	ug/l	95
82) 4-Chlorotoluene	12.99	91	1166490	108.017	ug/l	100
83) tert-Butylbenzene	13.21	119	1250377	108.512	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	1410432	110.346	ug/l	99
85) sec-Butylbenzene	13.38	105	1720034	109.222	ug/l	99
86) p-Isopropyltoluene	13.50	119	1590959	109.870	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	768489	109.954	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	755101	110.204	ug/l	99
89) n-Butylbenzene	13.82	91	1479658	108.928	ug/l	100
90) Hexachloroethane	14.09	117	280988	109.143	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	667208	108.837	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	44338	93.336	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	502586	114.728	ug/l	99
94) Hexachlorobutadiene	15.24	225	316706	102.642	ug/l	100
95) Naphthalene	15.36	128	864609	119.052	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	435087	112.728	ug/l	100

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

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