

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091519\
 Data File : VW012983.D
 Acq On : 14 Sep 2019 10:27
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 11:13:23 AM

Quant Time: Sep 16 07:19:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	273675	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	392922	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	340207	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	172274	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	128330	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	
35) Dibromofluoromethane	7.88	113	109904	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	
50) Toluene-d8	10.32	98	432898	51.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.78%	
62) 4-Bromofluorobenzene	12.62	95	151809	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	55424	53.196	ug/l	95
3) Chloromethane	2.21	50	71243	54.538	ug/l	99
4) Vinyl Chloride	2.36	62	98747	50.410	ug/l	99
5) Bromomethane	2.78	94	58232	48.678	ug/l	94
6) Chloroethane	2.92	64	62707	52.194	ug/l	95
7) Trichlorofluoromethane	3.26	101	72088	52.626	ug/l	99
8) Diethyl Ether	3.68	74	51941	48.561	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	103638	49.883	ug/l	99
10) Methyl Iodide	4.27	142	134293	51.649	ug/l	100
11) Tert butyl alcohol	5.19	59	43036	252.438	ug/l #	94
12) 1,1-Dichloroethene	4.04	96	95264	50.429	ug/l	94
13) Acrolein	3.90	56	51759	278.578	ug/l	100
14) Allyl chloride	4.67	41	185462	51.715	ug/l	99
15) Acrylonitrile	5.37	53	143242	262.205	ug/l	100
16) Acetone	4.14	43	162772	300.750	ug/l	98
17) Carbon Disulfide	4.38	76	181515	48.217	ug/l	99
18) Methyl Acetate	4.67	43	69250	48.089	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	195337	52.384	ug/l	96
20) Methylene Chloride	4.91	84	106490	52.398	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	99817	49.335	ug/l	98
22) Diisopropyl ether	6.31	45	386268	51.847	ug/l	98
23) Vinyl Acetate	6.25	43	1199131	268.730	ug/l	99
24) 1,1-Dichloroethane	6.21	63	215839	50.247	ug/l	99
25) 2-Butanone	7.17	43	214703	267.139	ug/l	97
26) 2,2-Dichloropropane	7.16	77	147593	54.534	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	122213	50.454	ug/l	99
28) Bromochloromethane	7.51	49	94576	52.310	ug/l	99
29) Tetrahydrofuran	7.53	42	121061	264.360	ug/l	99
30) Chloroform	7.67	83	218338	50.025	ug/l	99
31) Cyclohexane	7.95	56	172402	53.788	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	182139	50.674	ug/l	98
36) 1,1-Dichloropropene	8.08	75	157791	50.255	ug/l	98
37) Ethyl Acetate	7.25	43	83223	49.937	ug/l	98
38) Carbon Tetrachloride	8.07	117	163949	50.954	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	171818	49.939	ug/l	97
40) Benzene	8.32	78	440782	50.288	ug/l	100
41) Methacrylonitrile	7.48	41	59008	53.766	ug/l	95
42) 1,2-Dichloroethane	8.40	62	148548	50.556	ug/l	99
43) Isopropyl Acetate	8.42	43	166687	52.092	ug/l	99
44) Trichloroethene	9.09	130	120107	50.026	ug/l	96
45) 1,2-Dichloropropane	9.37	63	117552	50.478	ug/l	100
46) Dibromomethane	9.46	93	57236	51.300	ug/l	99
47) Bromodichloromethane	9.64	83	162312	51.864	ug/l	100
48) Methyl methacrylate	9.43	41	79708	53.077	ug/l	99
49) 1,4-Dioxane	9.46	88	19209	1027.478	ug/l #	75
51) 4-Methyl-2-Pentanone	10.21	43	433091	262.160	ug/l	100
52) Toluene	10.38	92	283035	50.816	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	164118	52.143	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	187967	52.194	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	87698	51.597	ug/l	97
56) Ethyl methacrylate	10.65	69	121033	52.903	ug/l	100
57) 1,3-Dichloropropane	10.93	76	153842	51.024	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	311291	253.649	ug/l	99
59) 2-Hexanone	10.97	43	321302	279.317	ug/l	99
60) Dibromochloromethane	11.13	129	106286	51.723	ug/l	97
61) 1,2-Dibromoethane	11.23	107	80639	52.008	ug/l	100
64) Tetrachloroethene	10.86	164	99231	49.029	ug/l	96
65) Chlorobenzene	11.66	112	307227	50.699	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	117942	50.788	ug/l	99
67) Ethyl Benzene	11.73	91	576307	51.493	ug/l	99
68) m/p-Xylenes	11.84	106	422271	103.282	ug/l	99
69) o-Xylene	12.16	106	199562	52.063	ug/l	99
70) Styrene	12.18	104	354135	51.936	ug/l	99
71) Bromoform	12.35	173	65258	53.499	ug/l #	97
73) Isopropylbenzene	12.46	105	582707	51.031	ug/l	100
74) N-amyl acetate	12.27	43	154922	52.742	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	102675	51.195	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	70314m	46.597	ug/l	
77) Bromobenzene	12.74	156	131952	50.160	ug/l	100
78) n-propylbenzene	12.80	91	690024	51.372	ug/l	100
79) 2-Chlorotoluene	12.89	91	390282	50.545	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	488355	50.553	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	35535	53.420	ug/l	99
82) 4-Chlorotoluene	12.99	91	415283	50.974	ug/l	100
83) tert-Butylbenzene	13.21	119	438676	50.768	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	486808	50.996	ug/l	99
85) sec-Butylbenzene	13.38	105	602490	51.177	ug/l	99
86) p-Isopropyltoluene	13.50	119	557109	51.543	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	261460	50.208	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	257469	50.312	ug/l	99
89) n-Butylbenzene	13.82	91	528684	51.865	ug/l	100
90) Hexachloroethane	14.09	117	100163	51.712	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	231957	50.651	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	18312	49.882	ug/l	99

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	167751	51.363	ug/l	99
94) Hexachlorobutadiene	15.24	225	116413	50.351	ug/l	99
95) Naphthalene	15.36	128	297425	54.503	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	147878	51.221	ug/l	99

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

