

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091419\
 Data File : VW012960.D
 Acq On : 13 Sep 2019 18:22
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 12:43:47 AM

Quant Time: Sep 14 04:41:46 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	287747	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	423166	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	367470	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	186706	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	132220	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
35) Dibromofluoromethane	7.88	113	109733	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	
50) Toluene-d8	10.32	98	436454	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
62) 4-Bromofluorobenzene	12.62	95	157188	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	52549	47.487	ug/l	96
3) Chloromethane	2.21	50	68090	49.086	ug/l	97
4) Vinyl Chloride	2.36	62	93960	45.620	ug/l	99
5) Bromomethane	2.77	94	58600	46.590	ug/l	96
6) Chloroethane	2.92	64	58462	46.281	ug/l	99
7) Trichlorofluoromethane	3.25	101	65067	45.177	ug/l	98
8) Diethyl Ether	3.68	74	54390	48.364	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	100979	46.227	ug/l	98
10) Methyl Iodide	4.27	142	128637	47.054	ug/l	99
11) Tert butyl alcohol	5.18	59	46139	257.865	ug/l	97
12) 1,1-Dichloroethene	4.04	96	92142	46.391	ug/l	94
13) Acrolein	3.89	56	48181	245.812	ug/l	97
14) Allyl chloride	4.66	41	181017	48.007	ug/l	99
15) Acrylonitrile	5.37	53	144107	250.888	ug/l	98
16) Acetone	4.12	43	146736	254.838	ug/l	100
17) Carbon Disulfide	4.38	76	177636	44.879	ug/l	100
18) Methyl Acetate	4.67	43	73470	48.525	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	197142	50.283	ug/l	98
20) Methylene Chloride	4.91	84	107871	50.271	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	97738	45.945	ug/l	96
22) Diisopropyl ether	6.31	45	386144	49.295	ug/l	99
23) Vinyl Acetate	6.25	43	1205805	257.010	ug/l	99
24) 1,1-Dichloroethane	6.21	63	212623	47.078	ug/l	98
25) 2-Butanone	7.17	43	210367	248.944	ug/l	96
26) 2,2-Dichloropropane	7.17	77	139946	48.714	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	120100	47.157	ug/l	100
28) Bromochloromethane	7.51	49	103272	54.326	ug/l #	97
29) Tetrahydrofuran	7.53	42	125106	259.832	ug/l	98
30) Chloroform	7.67	83	214254	46.688	ug/l	100
31) Cyclohexane	7.95	56	166038	48.879	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	176814	46.787	ug/l	99
36) 1,1-Dichloropropene	8.08	75	154606	45.722	ug/l	99
37) Ethyl Acetate	7.25	43	88779	49.464	ug/l	98
38) Carbon Tetrachloride	8.06	117	158726	45.805	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	169287	45.687	ug/l	98
40) Benzene	8.32	78	435345	46.118	ug/l	99
41) Methacrylonitrile	7.48	41	56706	47.976	ug/l	98
42) 1,2-Dichloroethane	8.40	62	149811	47.342	ug/l	99
43) Isopropyl Acetate	8.42	43	172814	50.147	ug/l	97
44) Trichloroethene	9.09	130	117512	45.447	ug/l	96
45) 1,2-Dichloropropane	9.37	63	117505	46.851	ug/l	96
46) Dibromomethane	9.46	93	57630	47.961	ug/l	99
47) Bromodichloromethane	9.64	83	163585	48.535	ug/l	98
48) Methyl methacrylate	9.43	41	82456	50.983	ug/l	96
49) 1,4-Dioxane	9.46	88	20124	999.488	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	451192	253.597	ug/l	100
52) Toluene	10.38	92	279696	46.628	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	165472	48.815	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	190041	48.998	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	90152	49.250	ug/l	94
56) Ethyl methacrylate	10.65	69	126317	51.267	ug/l	98
57) 1,3-Dichloropropane	10.93	76	155221	47.802	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	343957	260.235	ug/l	100
59) 2-Hexanone	10.97	43	315786	254.901	ug/l	100
60) Dibromochloromethane	11.13	129	107670	48.652	ug/l	98
61) 1,2-Dibromoethane	11.23	107	81375	48.732	ug/l	99
64) Tetrachloroethene	10.86	164	97784	44.730	ug/l	99
65) Chlorobenzene	11.66	112	304839	46.572	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	119672	47.709	ug/l	99
67) Ethyl Benzene	11.73	91	565435	46.774	ug/l	99
68) m/p-Xylenes	11.84	106	417772	94.601	ug/l	100
69) o-Xylene	12.16	106	198804	48.017	ug/l	99
70) Styrene	12.18	104	353688	48.022	ug/l	100
71) Bromoform	12.35	173	65817	49.954	ug/l #	100
73) Isopropylbenzene	12.46	105	575995	46.544	ug/l	99
74) N-amyl acetate	12.27	43	162219	50.957	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	105032	48.322	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	70901m	43.354	ug/l	
77) Bromobenzene	12.74	156	132507	46.478	ug/l	99
78) n-propylbenzene	12.80	91	677436	46.536	ug/l	99
79) 2-Chlorotoluene	12.89	91	391302	46.760	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	491678	46.963	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	35647	49.446	ug/l	100
82) 4-Chlorotoluene	12.99	91	409664	46.397	ug/l	99
83) tert-Butylbenzene	13.21	119	433902	46.334	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	487549	47.126	ug/l	100
85) sec-Butylbenzene	13.38	105	593904	46.549	ug/l	99
86) p-Isopropyltoluene	13.50	119	546766	46.676	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	261446	46.325	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	258453	46.601	ug/l	100
89) n-Butylbenzene	13.82	91	519635	47.037	ug/l	99
90) Hexachloroethane	14.09	117	96830	46.127	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	235232	47.396	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	19533	49.095	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	172887	48.844	ug/l	98
94) Hexachlorobutadiene	15.24	225	115371	46.043	ug/l	99
95) Naphthalene	15.36	128	315743	53.388	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	155598	49.729	ug/l	100

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

