

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052919\
 Data File : VW010581.D
 Acq On : 29 May 2019 10:26
 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
 5/30/2019 10:13:09 AM

Quant Time: May 30 07:18:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	141817	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	233727	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	207522	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	99436	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	69451	47.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.90%	
35) Dibromofluoromethane	7.88	113	75518	53.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.50%	
50) Toluene-d8	10.32	98	291640	53.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.66%	
62) 4-Bromofluorobenzene	12.62	95	108913	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	64260	50.866	ug/l	99
3) Chloromethane	2.21	50	66173	44.410	ug/l	100
4) Vinyl Chloride	2.36	62	74840	43.362	ug/l	99
5) Bromomethane	2.76	94	54834	46.182	ug/l	99
6) Chloroethane	2.91	64	51357	46.353	ug/l	98
7) Trichlorofluoromethane	3.25	101	142601	55.963	ug/l	98
8) Diethyl Ether	3.68	74	40095	49.639	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	89575	57.082	ug/l	98
10) Methyl Iodide	4.27	142	90236	50.309	ug/l	98
11) Tert butyl alcohol	5.18	59	31995	242.999	ug/l	95
12) 1,1-Dichloroethene	4.03	96	82361	54.982	ug/l	98
13) Acrolein	3.90	56	19526	254.948	ug/l	97
14) Allyl chloride	4.67	41	114118	52.630	ug/l	99
15) Acrylonitrile	5.37	53	76308	225.577	ug/l	99
16) Acetone	4.12	43	86321	288.899	ug/l	99
17) Carbon Disulfide	4.37	76	229078	51.271	ug/l	100
18) Methyl Acetate	4.67	43	32079	43.898	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	190287	49.829	ug/l	97
20) Methylene Chloride	4.91	84	82078	46.457	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	95548	55.609	ug/l	98
22) Diisopropyl ether	6.31	45	228804	51.463	ug/l	97
23) Vinyl Acetate	6.25	43	661530	249.089	ug/l	100
24) 1,1-Dichloroethane	6.21	63	145076	54.680	ug/l	98
25) 2-Butanone	7.17	43	110589	258.627	ug/l	98
26) 2,2-Dichloropropane	7.16	77	146489	57.963	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	103285	55.292	ug/l	99
28) Bromochloromethane	7.51	49	47429	49.929	ug/l	90
29) Tetrahydrofuran	7.53	42	62282	215.250	ug/l	97
30) Chloroform	7.68	83	159222	55.637	ug/l	100
31) Cyclohexane	7.95	56	141526	50.923	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	151420	55.358	ug/l	98
36) 1,1-Dichloropropene	8.08	75	126697	58.190	ug/l	100
37) Ethyl Acetate	7.25	43	44738	48.319	ug/l	99
38) Carbon Tetrachloride	8.07	117	140789	59.943	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052919\
 Data File : VW010581.D
 Acq On : 29 May 2019 10:26
 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
 5/30/2019 10:13:09 AM

Quant Time: May 30 07:18:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	170542	58.464	ug/l	99
40) Benzene	8.32	78	351749	58.125	ug/l	100
41) Methacrylonitrile	7.48	41	26031	47.317	ug/l	99
42) 1,2-Dichloroethane	8.40	62	95988	55.497	ug/l	99
43) Isopropyl Acetate	8.43	43	88071	47.613	ug/l	98
44) Trichloroethene	9.09	130	107099	59.612	ug/l	99
45) 1,2-Dichloropropane	9.37	63	80447	55.973	ug/l	100
46) Dibromomethane	9.46	93	46323	55.111	ug/l	96
47) Bromodichloromethane	9.65	83	120157	56.886	ug/l	97
48) Methyl methacrylate	9.43	41	40510	47.872	ug/l	95
49) 1,4-Dioxane	9.46	88	12440	906.002	ug/l #	94
51) 4-Methyl-2-Pentanone	10.21	43	221515	236.335	ug/l	100
52) Toluene	10.39	92	236879	58.285	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	117938	55.131	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	138620	56.739	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	67009	55.439	ug/l	98
56) Ethyl methacrylate	10.65	69	83014	49.798	ug/l	99
57) 1,3-Dichloropropane	10.93	76	110918	54.784	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	155388	210.450	ug/l	97
59) 2-Hexanone	10.97	43	169091	252.897	ug/l	99
60) Dibromochloromethane	11.13	129	87332	57.090	ug/l	99
61) 1,2-Dibromoethane	11.24	107	66599	54.393	ug/l	98
64) Tetrachloroethene	10.86	164	87778	60.678	ug/l	97
65) Chlorobenzene	11.66	112	259545	58.684	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	94101	59.394	ug/l	99
67) Ethyl Benzene	11.73	91	451230	57.786	ug/l	99
68) m/p-Xylenes	11.84	106	353570	115.441	ug/l	100
69) o-Xylene	12.16	106	167554	57.741	ug/l	98
70) Styrene	12.18	104	280147	56.899	ug/l	99
71) Bromoform	12.35	173	47790	54.776	ug/l #	100
73) Isopropylbenzene	12.46	105	462083	58.561	ug/l	100
74) N-amyl acetate	12.27	43	82467	45.608	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	71018	49.483	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	49934m	49.472	ug/l	
77) Bromobenzene	12.75	156	105434	59.710	ug/l	95
78) n-propylbenzene	12.80	91	526461	57.252	ug/l	99
79) 2-Chlorotoluene	12.90	91	302807	56.784	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	380200	56.892	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	23196	47.963	ug/l	98
82) 4-Chlorotoluene	12.99	91	310176	56.038	ug/l	98
83) tert-Butylbenzene	13.21	119	348431	59.689	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	372667	55.990	ug/l	99
85) sec-Butylbenzene	13.38	105	467711	57.253	ug/l	99
86) p-Isopropyltoluene	13.50	119	422994	57.206	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	202560	58.471	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	201441	57.955	ug/l	99
89) n-Butylbenzene	13.83	91	391927	55.725	ug/l	99
90) Hexachloroethane	14.10	117	84538	59.067	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	181526	57.508	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	12154	45.544	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052919\
Data File : VW010581.D
Acq On : 29 May 2019 10:26
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
5/30/2019 10:13:09 AM

Quant Time: May 30 07:18:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260
QLast Update : Tue May 21 06:38:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	122943	57.244	ug/l	99
94) Hexachlorobutadiene	15.24	225	69843	60.874	ug/l	98
95) Naphthalene	15.37	128	221543	49.141	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	103728	56.130	ug/l	100

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

