

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041719\
 Data File : VW010030.D
 Acq On : 17 Apr 2019 23:30
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/18/2019 11:39:11 AM

Quant Time: Apr 18 04:31:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 02:23:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	355242	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	598563	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	560440	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	288839	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	250754	57.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.40%	
35) Dibromofluoromethane	7.88	113	194979	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	
50) Toluene-d8	10.32	98	759554	53.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.54%	
62) 4-Bromofluorobenzene	12.62	95	279128	53.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	129946	47.974	ug/l	97
3) Chloromethane	2.21	50	141106	52.093	ug/l	93
4) Vinyl Chloride	2.37	62	157099	49.895	ug/l	97
5) Bromomethane	2.78	94	109777	51.880	ug/l	96
6) Chloroethane	2.92	64	107162	52.089	ug/l	99
7) Trichlorofluoromethane	3.25	101	91925	42.226	ug/l	96
8) Diethyl Ether	3.67	74	98363	54.319	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.05	101	174352	47.596	ug/l	97
10) Methyl Iodide	4.26	142	268443	53.029	ug/l	100
11) Tert butyl alcohol	5.17	59	73710	295.183	ug/l	99
12) 1,1-Dichloroethene	4.04	96	177914	50.661	ug/l	90
13) Acrolein	3.88	56	61716	234.927	ug/l	98
14) Allyl chloride	4.65	41	298589	47.823	ug/l	99
15) Acrylonitrile	5.36	53	266630	286.110	ug/l	99
16) Acetone	4.12	43	240139	236.090	ug/l	98
17) Carbon Disulfide	4.38	76	521354	49.297	ug/l	97
18) Methyl Acetate	4.67	43	131680	55.936	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	277482	60.832	ug/l	98
20) Methylene Chloride	4.91	84	227381	58.196	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	207729	54.623	ug/l	97
22) Diisopropyl ether	6.31	45	713947	56.373	ug/l	98
23) Vinyl Acetate	6.25	43	2400007	301.032	ug/l	98
24) 1,1-Dichloroethane	6.21	63	397963	52.564	ug/l	100
25) 2-Butanone	7.17	43	404521	302.753	ug/l	100
26) 2,2-Dichloropropane	7.16	77	182451	43.558	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	230162	55.031	ug/l	99
28) Bromochloromethane	7.51	49	167727	54.210	ug/l	96
29) Tetrahydrofuran	7.52	42	272481	321.844	ug/l	98
30) Chloroform	7.67	83	406691	53.609	ug/l	100
31) Cyclohexane	7.95	56	347056	48.953	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	295170	49.563	ug/l	98
36) 1,1-Dichloropropene	8.08	75	302415	49.461	ug/l	100
37) Ethyl Acetate	7.25	43	182866	58.858	ug/l	100
38) Carbon Tetrachloride	8.06	117	286070	47.940	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041719\
 Data File : VW010030.D
 Acq On : 17 Apr 2019 23:30
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/18/2019 11:39:11 AM

Quant Time: Apr 18 04:31:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 02:23:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	346301	46.628	ug/l	99
40) Benzene	8.32	78	870742	52.084	ug/l	99
41) Methacrylonitrile	7.48	41	110132	62.196	ug/l	97
42) 1,2-Dichloroethane	8.40	62	304586	53.015	ug/l	99
43) Isopropyl Acetate	8.42	43	341469	58.651	ug/l	97
44) Trichloroethene	9.09	130	216042	50.880	ug/l	99
45) 1,2-Dichloropropane	9.37	63	233239	53.078	ug/l	99
46) Dibromomethane	9.46	93	126680	55.621	ug/l	98
47) Bromodichloromethane	9.64	83	313036	53.244	ug/l	98
48) Methyl methacrylate	9.43	41	162924	57.489	ug/l	99
49) 1,4-Dioxane	9.45	88	41638	1196.472	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	921859	302.317	ug/l	100
52) Toluene	10.38	92	550821	52.893	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	314438	53.943	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	357080	53.648	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	171246	53.870	ug/l	98
56) Ethyl methacrylate	10.65	69	249214	56.116	ug/l	98
57) 1,3-Dichloropropane	10.93	76	312905	54.918	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	559115	294.349	ug/l	100
59) 2-Hexanone	10.97	43	643191	303.013	ug/l	100
60) Dibromochloromethane	11.13	129	207646	56.516	ug/l	100
61) 1,2-Dibromoethane	11.23	107	168070	55.579	ug/l	97
64) Tetrachloroethene	10.86	164	205669	56.531	ug/l	99
65) Chlorobenzene	11.66	112	576474	50.256	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	211882	51.653	ug/l	98
67) Ethyl Benzene	11.73	91	1058320	51.712	ug/l	100
68) m/p-Xylenes	11.84	106	795127	103.936	ug/l	100
69) o-Xylene	12.16	106	369159	52.996	ug/l	99
70) Styrene	12.18	104	666657	55.507	ug/l	99
71) Bromoform	12.35	173	118920	54.825	ug/l #	100
73) Isopropylbenzene	12.46	105	1006728	50.079	ug/l	100
74) N-amyl acetate	12.27	43	322140	57.866	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	217291	54.711	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	152645m	52.803	ug/l	
77) Bromobenzene	12.75	156	238987	51.692	ug/l	99
78) n-propylbenzene	12.80	91	1246611	50.035	ug/l	100
79) 2-Chlorotoluene	12.89	91	726444	50.697	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	875542	51.368	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	68078	55.529	ug/l	99
82) 4-Chlorotoluene	12.99	91	760030	50.397	ug/l	99
83) tert-Butylbenzene	13.21	119	719971	51.008	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	890318	51.520	ug/l	100
85) sec-Butylbenzene	13.38	105	1035094	49.072	ug/l	100
86) p-Isopropyltoluene	13.50	119	952320	51.223	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	466297	49.894	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	464137	49.754	ug/l	100
89) n-Butylbenzene	13.83	91	925721	50.258	ug/l	99
90) Hexachloroethane	14.10	117	177310	49.794	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	422615	50.433	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	40019	56.305	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041719\
Data File : VW010030.D
Acq On : 17 Apr 2019 23:30
Operator : SY/VA
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
4/18/2019 11:39:11 AM

Quant Time: Apr 18 04:31:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041719S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 18 02:23:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	282535	51.107	ug/l	99
94) Hexachlorobutadiene	15.24	225	164744	49.073	ug/l	99
95) Naphthalene	15.37	128	589719	53.532	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	260677	54.349	ug/l	100

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

