

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090719\
 Data File : VW012709.D
 Acq On : 07 Sep 2019 09:45
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 1:00:56 PM

Quant Time: Sep 08 04:55:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 04:47:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	283296	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	430343	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	366739	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	178445	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	16288	5.15	ug/l	0.00
Spiked Amount			Recovery	=	10.30%	
35) Dibromofluoromethane	7.88	113	13570	5.30	ug/l	0.00
Spiked Amount			Recovery	=	10.60%	
50) Toluene-d8	10.32	98	51368	5.12	ug/l	0.00
Spiked Amount			Recovery	=	10.24%	
62) 4-Bromofluorobenzene	12.62	95	19109	5.25	ug/l	0.00
Spiked Amount			Recovery	=	10.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	8848	5.761	ug/l	99
3) Chloromethane	2.21	50	9815	5.259	ug/l	91
4) Vinyl Chloride	2.36	62	12130	5.300	ug/l	97
5) Bromomethane	2.78	94	6197	4.987	ug/l	83
6) Chloroethane	2.92	64	7280	5.331	ug/l	98
7) Trichlorofluoromethane	3.26	101	7866	4.981	ug/l	89
8) Diethyl Ether	3.68	74	6821	5.139	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	12673	5.114	ug/l	98
10) Methyl Iodide	4.27	142	15882	5.091	ug/l	99
11) Tert butyl alcohol	5.18	59	6013	24.828	ug/l	95
12) 1,1-Dichloroethene	4.04	96	12286	5.252	ug/l	87
13) Acrolein	3.90	56	6540	25.447	ug/l	97
14) Allyl chloride	4.67	41	24499	5.062	ug/l	99
15) Acrylonitrile	5.37	53	17102	22.060	ug/l	98
16) Acetone	4.14	43	19451	22.540	ug/l	93
17) Carbon Disulfide	4.38	76	23938	4.820	ug/l #	92
18) Methyl Acetate	4.68	43	9634	4.758	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	22843	4.923	ug/l	98
20) Methylene Chloride	4.91	84	15823	5.861	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	11537	4.833	ug/l	96
22) Diisopropyl ether	6.31	45	48623	5.066	ug/l #	88
23) Vinyl Acetate	6.26	43	135538	22.281	ug/l	99
24) 1,1-Dichloroethane	6.21	63	26156	5.061	ug/l #	96
25) 2-Butanone	7.18	43	24942	21.897	ug/l	100
26) 2,2-Dichloropropane	7.16	77	16686	5.112	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	13361	4.827	ug/l	98
28) Bromochloromethane	7.51	49	11786	4.966	ug/l #	100
29) Tetrahydrofuran	7.53	42	15279	21.926	ug/l	96
30) Chloroform	7.67	83	26925	5.257	ug/l	93
31) Cyclohexane	7.95	56	27179	5.841	ug/l #	81
32) 1,1,1-Trichloroethane	7.87	97	20482	4.933	ug/l	98
36) 1,1-Dichloropropene	8.08	75	18718	4.895	ug/l	98
37) Ethyl Acetate	7.26	43	11454	4.699	ug/l #	95
38) Carbon Tetrachloride	8.07	117	17884	4.745	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090719\
 Data File : VW012709.D
 Acq On : 07 Sep 2019 09:45
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 1:00:56 PM

Quant Time: Sep 08 04:55:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 04:47:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.34	83	20001	4.657	ug/l	94
40) Benzene	8.32	78	52194	4.920	ug/l	93
41) Methacrylonitrile	7.49	41	6496	4.420	ug/l #	92
42) 1,2-Dichloroethane	8.40	62	18597	4.981	ug/l	98
43) Isopropyl Acetate	8.43	43	21568	4.670	ug/l	96
44) Trichloroethene	9.09	130	13513	4.941	ug/l	95
45) 1,2-Dichloropropane	9.37	63	14973	5.089	ug/l	99
46) Dibromomethane	9.46	93	6962	4.997	ug/l	94
47) Bromodichloromethane	9.64	83	19766	5.156	ug/l	95
48) Methyl methacrylate	9.43	41	10542	4.777	ug/l	94
49) 1,4-Dioxane	9.47	88	2929	106.421	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	57706	23.814	ug/l	100
52) Toluene	10.38	92	33939	5.126	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	18977	4.814	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	22063	4.934	ug/l	93
55) 1,1,2-Trichloroethane	10.79	97	10432	5.001	ug/l	97
56) Ethyl methacrylate	10.65	69	14267	4.672	ug/l	97
57) 1,3-Dichloropropane	10.93	76	20059	5.198	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	33422	20.618	ug/l	100
59) 2-Hexanone	10.97	43	41869	23.650	ug/l	100
60) Dibromochloromethane	11.13	129	12289	5.009	ug/l	99
61) 1,2-Dibromoethane	11.24	107	9588	5.013	ug/l	99
64) Tetrachloroethene	10.86	164	11508	5.171	ug/l	94
65) Chlorobenzene	11.66	112	36813	5.311	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	13983	5.417	ug/l	97
67) Ethyl Benzene	11.73	91	69039	5.309	ug/l	98
68) m/p-Xylenes	11.83	106	47577	10.135	ug/l	100
69) o-Xylene	12.16	106	22877	5.166	ug/l	99
70) Styrene	12.18	104	39794	5.085	ug/l	99
71) Bromoform	12.35	173	7542	5.259	ug/l #	98
73) Isopropylbenzene	12.46	105	65615	5.127	ug/l	100
74) N-amyl acetate	12.27	43	20016	4.927	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	13962	5.432	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	9488m	5.418	ug/l	
77) Bromobenzene	12.74	156	16111	5.556	ug/l	99
78) n-propylbenzene	12.80	91	78837	5.150	ug/l	100
79) 2-Chlorotoluene	12.89	91	43122	4.907	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	51951	4.817	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	4286	4.968	ug/l	95
82) 4-Chlorotoluene	12.99	91	47279	5.087	ug/l	98
83) tert-Butylbenzene	13.21	119	47680	5.000	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	56175	5.169	ug/l	99
85) sec-Butylbenzene	13.38	105	66961	5.060	ug/l	97
86) p-Isopropyltoluene	13.50	119	60172	4.978	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	30999	5.439	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	32296	5.695	ug/l	95
89) n-Butylbenzene	13.82	91	58353	4.973	ug/l	99
90) Hexachloroethane	14.09	117	10233	4.850	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	28497	5.555	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2522	5.362	ug/l	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090719\
Data File : VW012709.D
Acq On : 07 Sep 2019 09:45
Operator : SY/VA
Sample : VSTDICC005
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

MMDadoda
9/10/2019 1:00:56 PM

Quant Time: Sep 08 04:55:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
Quant Title : SW846 8260
QLast Update : Sun Sep 08 04:47:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	17333	4.853	ug/l	98
94) Hexachlorobutadiene	15.24	225	12786	5.172	ug/l	94
95) Naphthalene	15.36	128	28388	4.269	ug/l	97
96) 1,2,3-Trichlorobenzene	15.56	180	15320	4.860	ug/l	94

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

