

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050620\
 Data File : VW015398.D
 Acq On : 05 May 2020 16:40
 Operator : SY/VA
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 5/6/2020 12:11:51 PM

Quant Time: May 05 18:35:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050620S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 18:21:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	225428	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	366434	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	338224	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	166178	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	23918	12.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	24.50%	
35) Dibromofluoromethane	7.88	113	20223	9.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.84%	
50) Toluene-d8	10.32	98	83293	9.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.46%	
62) 4-Bromofluorobenzene	12.62	95	31041	9.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	11882	6.937	ug/l	96
3) Chloromethane	2.21	50	16348	8.695	ug/l	95
4) Vinyl Chloride	2.36	62	25463	10.924	ug/l	99
5) Bromomethane	2.78	94	20812	12.532	ug/l	97
6) Chloroethane	2.93	64	17405	11.836	ug/l	98
7) Trichlorofluoromethane	3.26	101	17829	5.856	ug/l	97
8) Diethyl Ether	3.68	74	11548	12.199	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	21450	10.525	ug/l	98
10) Methyl Iodide	4.27	142	31790	14.117	ug/l	99
11) Tert butyl alcohol	5.21	59	7787	51.028	ug/l	96
12) 1,1-Dichloroethene	4.03	96	22175	11.161	ug/l	99
13) Acrolein	3.89	56	9275	94.953	ug/l	94
14) Allyl chloride	4.67	41	38373	13.832	ug/l	99
15) Acrylonitrile	5.37	53	23488	63.624	ug/l	99
16) Acetone	4.13	43	19574	58.705	ug/l	96
17) Carbon Disulfide	4.37	76	67060	11.347	ug/l	99
18) Methyl Acetate	4.68	43	10466	11.774	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	37005	8.610	ug/l	99
20) Methylene Chloride	4.91	84	26174	12.102	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	24808	11.034	ug/l	92
22) Diisopropyl ether	6.31	45	75806	14.163	ug/l	97
23) Vinyl Acetate	6.26	43	229458	72.394	ug/l	100
24) 1,1-Dichloroethane	6.21	63	45076	12.524	ug/l	98
25) 2-Butanone	7.18	43	30253	65.869	ug/l	98
26) 2,2-Dichloropropane	7.17	77	31435	8.956	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	27119	11.151	ug/l	98
28) Bromochloromethane	7.51	49	18986	14.308	ug/l	98
29) Tetrahydrofuran	7.53	42	20175	69.463	ug/l	98
30) Chloroform	7.67	83	44529	11.657	ug/l	96
31) Cyclohexane	7.95	56	47940	13.219	ug/l #	90
32) 1,1,1-Trichloroethane	7.87	97	38131	10.539	ug/l	99
36) 1,1-Dichloropropene	8.08	75	37560	11.117	ug/l	99
37) Ethyl Acetate	7.26	43	14183	12.430	ug/l	99
38) Carbon Tetrachloride	8.07	117	34760	9.627	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050620\
 Data File : VW015398.D
 Acq On : 05 May 2020 16:40
 Operator : SY/VA
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 5/6/2020 12:11:51 PM

Quant Time: May 05 18:35:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050620S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 18:21:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	46813	10.499	ug/l	96
40) Benzene	8.32	78	102151	11.328	ug/l	99
41) Methacrylonitrile	7.49	41	8806	12.808	ug/l	98
42) 1,2-Dichloroethane	8.40	62	31113	11.602	ug/l	99
43) Isopropyl Acetate	8.43	43	30767	12.975	ug/l	98
44) Trichloroethene	9.09	130	26189	9.730	ug/l	97
45) 1,2-Dichloropropane	9.37	63	25009	11.776	ug/l	99
46) Dibromomethane	9.46	93	12449	10.375	ug/l	99
47) Bromodichloromethane	9.65	83	33804	10.499	ug/l	98
48) Methyl methacrylate	9.44	41	14069	12.611	ug/l	99
49) 1,4-Dioxane	9.46	88	3070	193.843	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	71341	63.842	ug/l	100
52) Toluene	10.38	92	65355	10.469	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	33919	10.644	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	40351	10.863	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	17601	10.472	ug/l	97
56) Ethyl methacrylate	10.65	69	23612	10.775	ug/l	94
57) 1,3-Dichloropropane	10.93	76	32203	11.424	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	58823	57.681	ug/l	100
59) 2-Hexanone	10.97	43	48418	61.345	ug/l	100
60) Dibromochloromethane	11.13	129	20716	9.472	ug/l	98
61) 1,2-Dibromoethane	11.23	107	16059	9.831	ug/l	97
64) Tetrachloroethene	10.86	164	21105	8.860	ug/l	95
65) Chlorobenzene	11.66	112	69952	10.466	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.73	131	24271	10.120	ug/l	99
67) Ethyl Benzene	11.73	91	131307	10.493	ug/l	100
68) m/p-Xylenes	11.84	106	96439	19.867	ug/l	98
69) o-Xylene	12.16	106	45491	10.004	ug/l	99
70) Styrene	12.18	104	76595	9.867	ug/l	99
71) Bromoform	12.35	173	11501	8.646	ug/l #	99
73) Isopropylbenzene	12.46	105	127081	10.798	ug/l	99
74) N-amyl acetate	12.27	43	30267	14.007	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	20279	11.873	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	13999m	10.407	ug/l	
77) Bromobenzene	12.74	156	27200	10.254	ug/l	100
78) n-propylbenzene	12.80	91	152476	11.083	ug/l	99
79) 2-Chlorotoluene	12.89	91	85655	11.049	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	106872	10.587	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	6905	11.338	ug/l	98
82) 4-Chlorotoluene	12.99	91	91257	11.100	ug/l	99
83) tert-Butylbenzene	13.21	119	90694	10.305	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	106129	10.629	ug/l	97
85) sec-Butylbenzene	13.38	105	128652	10.547	ug/l	100
86) p-Isopropyltoluene	13.50	119	116153	10.304	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	52833	9.963	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	53553	10.298	ug/l	97
89) n-Butylbenzene	13.82	91	114207	10.924	ug/l	99
90) Hexachloroethane	14.09	117	21344	10.304	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	46917	10.238	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3545	11.625	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050620\
Data File : VW015398.D
Acq On : 05 May 2020 16:40
Operator : SY/VA
Sample : VSTDICC010
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

MMDadoda
5/6/2020 12:11:51 PM

Quant Time: May 05 18:35:55 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050620S.M
Quant Title : SW846 8260
QLast Update : Tue May 05 18:21:14 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	29444	9.291	ug/l	95
94) Hexachlorobutadiene	15.24	225	18781	8.981	ug/l	99
95) Naphthalene	15.36	128	54312	10.454	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	26044	10.035	ug/l	99

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW050620\
Data File : VW015398.D
Acq On : 05 May 2020 16:40
Operator : SY/VA
Sample : VSTDIC010
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Manual Integrations
APPROVED

MMDadoda
5/6/2020 12:11:51 PM

Quant Time: May 05 18:35:55 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W050620S.M
Quant Title : SW846 8260
QLast Update : Tue May 05 18:21:14 2020
Response via : Initial Calibration

