

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100818\
 Data File : VW005887.D
 Acq On : 08 Oct 2018 10:57
 Operator : SY/AP
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

apatel
 10/9/2018 4:12:01 PM

Quant Time: Oct 09 02:05:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100818S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 09 01:57:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	368798	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	540699	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	490194	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	262022	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	36895	10.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.62%	
35) Dibromofluoromethane	7.89	113	35275	10.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.44%	
50) Toluene-d8	10.33	98	137137	10.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.66%	
62) 4-Bromofluorobenzene	12.62	95	51591	10.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.42%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.01	85	17815	9.86	ug/l	96
3) Chloromethane	2.21	50	21362	10.05	ug/l	98
4) Vinyl Chloride	2.37	62	32506	9.63	ug/l	97
5) Bromomethane	2.78	94	25031	9.40	ug/l	91
6) Chloroethane	2.93	64	19836	9.23	ug/l	95
7) Trichlorofluoromethane	3.26	101	25087	9.36	ug/l	97
8) Diethyl Ether	3.68	74	16396	9.94	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.06	101	34271	10.14	ug/l	99
10) Methyl Iodide	4.26	142	55061	9.96	ug/l	99
11) Tert butyl alcohol	5.20	59	13964	53.22	ug/l #	87
12) 1,1-Dichloroethene	4.03	96	32776	10.10	ug/l	99
13) Acrolein	3.89	56	14088	60.25	ug/l	90
14) Allyl chloride	4.67	41	56938	10.28	ug/l	97
15) Acrylonitrile	5.37	53	36727	51.19	ug/l	99
16) Acetone	4.13	43	39480	55.21	ug/l	91
17) Carbon Disulfide	4.37	76	94316	9.61	ug/l	99
18) Methyl Acetate	4.68	43	17219	9.54	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	52212	10.34	ug/l	97
20) Methylene Chloride	4.91	84	37807	10.55	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	34929	9.87	ug/l	93
22) Diisopropyl ether	6.32	45	106211	10.26	ug/l	97
23) Vinyl Acetate	6.26	43	325801	51.15	ug/l	99
24) 1,1-Dichloroethane	6.21	63	64528	10.19	ug/l	98
25) 2-Butanone	7.18	43	53910	53.00	ug/l	97
26) 2,2-Dichloropropane	7.17	77	47663	10.69	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	40711	10.17	ug/l	97
28) Bromochloromethane	7.51	49	24159	10.33	ug/l	96
29) Tetrahydrofuran	7.54	42	32176	50.04	ug/l	99
30) Chloroform	7.68	83	65949	10.14	ug/l	97
31) Cyclohexane	7.95	56	64762	10.33	ug/l #	90
32) 1,1,1-Trichloroethane	7.87	97	59544	10.28	ug/l	98
36) 1,1-Dichloropropene	8.09	75	52196	10.07	ug/l	100
37) Ethyl Acetate	7.26	43	22879	10.43	ug/l	98
38) Carbon Tetrachloride	8.07	117	55760	10.02	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100818\
 Data File : VW005887.D
 Acq On : 08 Oct 2018 10:57
 Operator : SY/AP
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDIC010

Manual Integrations
 APPROVED

apatel
 10/9/2018 4:12:01 PM

Quant Time: Oct 09 02:05:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100818S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 09 01:57:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	67341	9.85	ug/l	99
40) Benzene	8.32	78	142223	10.03	ug/l	100
41) Methacrylonitrile	7.49	41	13729	9.99	ug/l	96
42) 1,2-Dichloroethane	8.40	62	43098	10.06	ug/l	97
43) Isopropyl Acetate	8.43	43	45187	9.86	ug/l	98
44) Trichloroethene	9.09	130	40749	9.90	ug/l	93
45) 1,2-Dichloropropane	9.37	63	35786	10.08	ug/l	96
46) Dibromomethane	9.46	93	19326	9.91	ug/l	99
47) Bromodichloromethane	9.65	83	49683	10.12	ug/l	96
48) Methyl methacrylate	9.44	41	21508	9.85	ug/l	96
49) 1,4-Dioxane	9.46	88	5587	188.55	ug/l #	83
51) 4-Methyl-2-Pentanone	10.21	43	111605	50.01	ug/l	99
52) Toluene	10.39	92	93870	10.08	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	51187	9.98	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	58190	10.09	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	26691	9.88	ug/l	96
56) Ethyl methacrylate	10.65	69	35805	9.83	ug/l	99
57) 1,3-Dichloropropane	10.93	76	45562	10.02	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.93	63	73870	49.85	ug/l	99
59) 2-Hexanone	10.97	43	82370	51.47	ug/l	100
60) Dibromochloromethane	11.13	129	35297	10.12	ug/l	100
61) 1,2-Dibromoethane	11.24	107	27116	10.04	ug/l	96
64) Tetrachloroethene	10.87	164	35425	9.70	ug/l	99
65) Chlorobenzene	11.66	112	105326	10.03	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	38488	10.00	ug/l	99
67) Ethyl Benzene	11.73	91	185565	10.01	ug/l	99
68) m/p-Xylenes	11.84	106	145662	20.10	ug/l	100
69) o-Xylene	12.17	106	69126	9.96	ug/l	100
70) Styrene	12.18	104	114996	9.99	ug/l	100
71) Bromoform	12.35	173	22325	9.74	ug/l #	99
73) Isopropylbenzene	12.47	105	192939	10.08	ug/l	100
74) N-amyl acetate	12.27	43	45544	10.02	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	31927	10.18	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	24292m	6.06	ug/l	
77) Bromobenzene	12.75	156	45286	9.99	ug/l	97
78) n-propylbenzene	12.81	91	228820	10.17	ug/l	99
79) 2-Chlorotoluene	12.90	91	128692	10.13	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	164000	10.15	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	10892	9.82	ug/l	98
82) 4-Chlorotoluene	12.99	91	133664	10.00	ug/l	99
83) tert-Butylbenzene	13.21	119	145510	10.13	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	166891	10.24	ug/l	99
85) sec-Butylbenzene	13.39	105	204360	10.13	ug/l	100
86) p-Isopropyltoluene	13.51	119	183602	10.12	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	91277	10.13	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	91424	10.21	ug/l	98
89) n-Butylbenzene	13.83	91	174142	10.19	ug/l	100
90) Hexachloroethane	14.10	117	33836	9.92	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	80387	10.05	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5782	9.89	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100818\
Data File : VW005887.D
Acq On : 08 Oct 2018 10:57
Operator : SY/AP
Sample : VSTDICC010
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

apatel
10/9/2018 4:12:01 PM

Quant Time: Oct 09 02:05:51 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100818S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 09 01:57:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	62299	10.05	ug/l	99
94) Hexachlorobutadiene	15.24	225	38798	10.02	ug/l	98
95) Naphthalene	15.37	128	105842	9.90	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	54166	10.09	ug/l	99

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW100818\
 Data File : VW005887.D
 Acq On : 08 Oct 2018 10:57
 Operator : SY/AP
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

apatel
 10/9/2018 4:12:01 PM

Quant Time: Oct 09 02:05:51 2018
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W100818S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 09 01:57:02 2018
 Response via : Initial Calibration

