

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121118\
 Data File : VU028577.D
 Acq On : 11 Dec 2018 02:27
 Operator : MD/SY
 Sample : VU1211WBS02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1211WBS02

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 12:11:08 PM

Quant Time: Dec 11 04:38:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	81349	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	146017	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	134063	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	63063	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	67782	54.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.20%	
35) Dibromofluoromethane	4.88	113	48196	52.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.90%	
50) Toluene-d8	7.57	98	189217	52.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.10%	
62) 4-Bromofluorobenzene	10.30	95	68027	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	22349	20.497	ug/l	98
3) Chloromethane	1.33	50	41034	20.470	ug/l	98
4) Vinyl Chloride	1.40	62	29705	20.533	ug/l	100
5) Bromomethane	1.61	94	12094	20.753	ug/l	98
6) Chloroethane	1.69	64	17184	20.982	ug/l	100
7) Trichlorofluoromethane	1.88	101	31578	20.747	ug/l	98
8) Diethyl Ether	2.10	74	13976	19.626	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.28	101	18096	19.879	ug/l	98
10) Methyl Iodide	2.41	142	16802	23.523	ug/l	99
11) Tert butyl alcohol	2.83	59	33368	120.642	ug/l	100
12) 1,1-Dichloroethene	2.28	96	17844	19.701	ug/l	96
13) Acrolein	2.19	56	24376	110.552	ug/l	96
14) Allyl chloride	2.59	41	43318	20.217	ug/l	98
15) Acrylonitrile	2.94	53	86709	112.918	ug/l	99
16) Acetone	2.32	43	71690	88.496	ug/l	100
17) Carbon Disulfide	2.48	76	65507	20.076	ug/l	99
18) Methyl Acetate	2.62	43	50344	23.974	ug/l	96
19) Methyl tert-butyl Ether	3.00	73	71564	20.843	ug/l	99
20) Methylene Chloride	2.70	84	23362	19.563	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	20428	20.032	ug/l	97
22) Diisopropyl ether	3.57	45	90694	21.766	ug/l	99
23) Vinyl Acetate	3.52	43	368913	107.339	ug/l	99
24) 1,1-Dichloroethane	3.44	63	45647	20.928	ug/l	99
25) 2-Butanone	4.26	43	120457	108.806	ug/l	98
26) 2,2-Dichloropropane	4.23	77	29288	16.947	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	23828	20.644	ug/l	99
28) Bromochloromethane	4.55	49	25273	25.489	ug/l	95
29) Tetrahydrofuran	4.64	42	84197	118.419	ug/l	97
30) Chloroform	4.67	83	40250	21.173	ug/l	98
31) Cyclohexane	4.99	56	45809	20.824	ug/l	98
32) 1,1,1-Trichloroethane	4.91	97	32693	20.707	ug/l	97
36) 1,1-Dichloropropene	5.13	75	30983	19.391	ug/l	100
37) Ethyl Acetate	4.38	43	45050	21.810	ug/l	98
38) Carbon Tetrachloride	5.13	117	26190	20.336	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121118\
 Data File : VU028577.D
 Acq On : 11 Dec 2018 02:27
 Operator : MD/SY
 Sample : VU1211WBS02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1211WBS02

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 12:11:08 PM

Quant Time: Dec 11 04:38:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	35610	18.268	ug/l	97
40) Benzene	5.39	78	95498	20.293	ug/l	98
41) Methacrylonitrile	4.54	41	25013	22.112	ug/l	98
42) 1,2-Dichloroethane	5.40	62	34102	20.702	ug/l	97
43) Isopropyl Acetate	5.55	43	71171	21.784	ug/l	98
44) Trichloroethene	6.19	130	20709	19.791	ug/l	95
45) 1,2-Dichloropropane	6.43	63	28225	21.328	ug/l	97
46) Dibromomethane	6.56	93	15901	20.251	ug/l	98
47) Bromodichloromethane	6.76	83	30799	20.157	ug/l	100
48) Methyl methacrylate	6.62	41	35550	21.881	ug/l	97
49) 1,4-Dioxane	6.61	88	13153	512.712	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	226676	110.006	ug/l	98
52) Toluene	7.64	92	55506	20.041	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	35178	19.331	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	38651	19.577	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	22617	20.659	ug/l	98
56) Ethyl methacrylate	8.02	69	38547	20.561	ug/l	97
57) 1,3-Dichloropropane	8.24	76	41200	20.273	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	94189	98.086	ug/l	98
59) 2-Hexanone	8.36	43	176192	107.880	ug/l	99
60) Dibromochloromethane	8.48	129	21342	19.911	ug/l	96
61) 1,2-Dibromoethane	8.58	107	23543	20.507	ug/l	100
64) Tetrachloroethene	8.22	164	18837	21.065	ug/l	95
65) Chlorobenzene	9.12	112	56502	19.778	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.21	131	19229	21.079	ug/l	100
67) Ethyl Benzene	9.25	91	105495	20.088	ug/l	99
68) m/p-Xylenes	9.37	106	74880	39.185	ug/l	98
69) o-Xylene	9.78	106	37453	20.168	ug/l	99
70) Styrene	9.79	104	60198	19.588	ug/l	99
71) Bromoform	9.96	173	16223	20.905	ug/l #	99
73) Isopropylbenzene	10.16	105	98718	20.400	ug/l	99
74) N-amyl acetate	10.01	43	60563	21.697	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	42011	22.600	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	36188m	22.472	ug/l	
77) Bromobenzene	10.45	156	23439	20.711	ug/l	99
78) n-propylbenzene	10.58	91	118008	19.626	ug/l	100
79) 2-Chlorotoluene	10.66	91	72703	20.991	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	82927	20.703	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	14348m	22.201	ug/l	
82) 4-Chlorotoluene	10.77	91	81383	19.828	ug/l	99
83) tert-Butylbenzene	11.10	119	78635	20.367	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	84123	20.378	ug/l	100
85) sec-Butylbenzene	11.32	105	99147	19.989	ug/l	99
86) p-Isopropyltoluene	11.48	119	81496	19.342	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	41261	19.308	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	41716	18.868	ug/l	97
89) n-Butylbenzene	11.89	91	75430	17.690	ug/l	100
90) Hexachloroethane	12.14	117	11709	18.386	ug/l	92
91) 1,2-Dichlorobenzene	11.88	146	42701	19.976	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	8626	21.434	ug/l	99

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU121118\
Data File : VU028577.D
Acq On : 11 Dec 2018 02:27
Operator : MD/SY
Sample : VU1211WBS02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS02

Manual Integrations
APPROVED

MMDadoda
12/11/2018 12:11:08 PM

Quant Time: Dec 11 04:38:10 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	25153	17.679	ug/l	99
94) Hexachlorobutadiene	13.69	225	12031	17.182	ug/l	96
95) Naphthalene	13.74	128	88270	17.209	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	26215	18.026	ug/l	98

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU121118\
Data File : VU028577.D
Acq On : 11 Dec 2018 02:27
Operator : MD/SY
Sample : VU1211WBS02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS02

Manual Integrations
APPROVED

MMDadoda
12/11/2018 12:11:08 PM

Quant Time: Dec 11 04:38:10 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration

