

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU010319\
 Data File : VU028999.D
 Acq On : 03 Jan 2019 15:54
 Operator : MD/SY
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 1/4/2019 9:51:12 AM

Quant Time: Jan 04 01:08:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 00:41:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	132789	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	216488	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	198634	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	92439	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	8286	5.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.10%	
35) Dibromofluoromethane	4.88	113	7136	5.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.18%	
50) Toluene-d8	7.56	98	26987	4.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.74%	
62) 4-Bromofluorobenzene	10.31	95	9038	4.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.08%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.20	85	6072	4.611 ug/l	93
3) Chloromethane	1.33	50	11401	4.838 ug/l	98
4) Vinyl Chloride	1.40	62	9192	4.737 ug/l	100
5) Bromomethane	1.60	94	6445	5.547 ug/l	98
6) Chloroethane	1.68	64	5763	4.986 ug/l	94
7) Trichlorofluoromethane	1.87	101	10727	5.073 ug/l	99
8) Diethyl Ether	2.10	74	4912	4.835 ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.28	101	7114	5.028 ug/l	98
10) Methyl Iodide	2.40	142	6266	4.710 ug/l	97
11) Tert butyl alcohol	2.83	59	11438	27.413 ug/l #	94
12) 1,1-Dichloroethene	2.28	96	6854	4.977 ug/l	98
13) Acrolein	2.19	56	8630	27.544 ug/l	99
14) Allyl chloride	2.59	41	13132	5.197 ug/l	98
15) Acrylonitrile	2.94	53	24709	24.138 ug/l	99
16) Acetone	2.32	43	27872	26.953 ug/l	99
17) Carbon Disulfide	2.47	76	24536	4.788 ug/l	100
18) Methyl Acetate	2.62	43	11571	4.812 ug/l	99
19) Methyl tert-butyl Ether	3.00	73	23314	4.815 ug/l	99
20) Methylene Chloride	2.70	84	8722	4.968 ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	7837	4.898 ug/l	98
22) Diisopropyl ether	3.57	45	24259	4.857 ug/l #	88
23) Vinyl Acetate	3.52	43	97827	23.961 ug/l	99
24) 1,1-Dichloroethane	3.44	63	14450	5.012 ug/l	97
25) 2-Butanone	4.27	43	34645	24.805 ug/l	100
26) 2,2-Dichloropropane	4.22	77	11502	4.937 ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	8468	4.839 ug/l	97
28) Bromochloromethane	4.55	49	5944	4.815 ug/l #	97
29) Tetrahydrofuran	4.64	42	20893	24.663 ug/l	97
30) Chloroform	4.67	83	13718	4.996 ug/l	98
31) Cyclohexane	4.99	56	15558	4.876 ug/l #	79
32) 1,1,1-Trichloroethane	4.91	97	11202	4.937 ug/l	99
36) 1,1-Dichloropropene	5.13	75	10741	4.964 ug/l	98
37) Ethyl Acetate	4.39	43	10970	4.435 ug/l #	91
38) Carbon Tetrachloride	5.13	117	8923	4.944 ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU010319\
 Data File : VU028999.D
 Acq On : 03 Jan 2019 15:54
 Operator : MD/SY
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 1/4/2019 9:51:12 AM

Quant Time: Jan 04 01:08:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 00:41:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	12301	4.624	ug/l	95
40) Benzene	5.39	78	33404	4.949	ug/l	100
41) Methacrylonitrile	4.55	41	5962	4.689	ug/l	98
42) 1,2-Dichloroethane	5.40	62	10307	5.082	ug/l	99
43) Isopropyl Acetate	5.55	43	17284	4.744	ug/l	98
44) Trichloroethene	6.18	130	7694	4.601	ug/l	85
45) 1,2-Dichloropropane	6.43	63	8588	4.818	ug/l	99
46) Dibromomethane	6.56	93	5516	4.841	ug/l	99
47) Bromodichloromethane	6.75	83	10115	4.821	ug/l	98
48) Methyl methacrylate	6.63	41	8610	4.853	ug/l	97
49) 1,4-Dioxane	6.62	88	3999	95.113	ug/l	100
51) 4-Methyl-2-Pentanone	7.46	43	57454	23.170	ug/l	100
52) Toluene	7.64	92	19997	4.867	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	11956	4.744	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	13187	4.842	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	8215	4.990	ug/l	96
56) Ethyl methacrylate	8.02	69	11843	4.670	ug/l	98
57) 1,3-Dichloropropane	8.24	76	13488	4.788	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	26097	23.399	ug/l	99
59) 2-Hexanone	8.36	43	46480	23.879	ug/l	99
60) Dibromochloromethane	8.48	129	7693	4.717	ug/l	97
61) 1,2-Dibromoethane	8.58	107	8406	4.708	ug/l	99
64) Tetrachloroethene	8.23	164	6946	4.854	ug/l	95
65) Chlorobenzene	9.12	112	22282	5.004	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	7170	4.962	ug/l	97
67) Ethyl Benzene	9.25	91	35910	4.831	ug/l	98
68) m/p-Xylenes	9.37	106	27710	9.594	ug/l	98
69) o-Xylene	9.78	106	13574	4.877	ug/l	97
70) Styrene	9.79	104	21022	4.608	ug/l	98
71) Bromoform	9.96	173	5981	4.649	ug/l #	99
73) Isopropylbenzene	10.16	105	35157	5.138	ug/l	100
74) N-amyl acetate	10.01	43	14246	4.832	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	14121	5.149	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	11401m	4.860	ug/l	
77) Bromobenzene	10.45	156	9055	5.078	ug/l	98
78) n-propylbenzene	10.58	91	39010	4.838	ug/l	99
79) 2-Chlorotoluene	10.66	91	24702	5.050	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	28254	4.945	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	4333m	3.875	ug/l	
82) 4-Chlorotoluene	10.77	91	27668	4.933	ug/l	98
83) tert-Butylbenzene	11.10	119	27253	4.839	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	27445	4.811	ug/l	98
85) sec-Butylbenzene	11.32	105	33339	4.895	ug/l	99
86) p-Isopropyltoluene	11.48	119	27799	4.790	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	15594	4.768	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	16815	4.981	ug/l	95
89) n-Butylbenzene	11.89	91	23475	4.532	ug/l	98
90) Hexachloroethane	12.14	117	4870	4.988	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	16419	4.984	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	2505	4.749	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU010319\
Data File : VU028999.D
Acq On : 03 Jan 2019 15:54
Operator : MD/SY
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

MMDadoda
1/4/2019 9:51:12 AM

Quant Time: Jan 04 01:08:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
Quant Title : SW846 8260
QLast Update : Fri Jan 04 00:41:33 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	8996	4.278	ug/l	100
94) Hexachlorobutadiene	13.69	225	4871	5.064	ug/l	94
95) Naphthalene	13.75	128	29676	4.149	ug/l	98
96) 1,2,3-Trichlorobenzene	13.99	180	9675	4.327	ug/l	98

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

