

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU120618\
 Data File : VU028493.D
 Acq On : 06 Dec 2018 11:47
 Operator : MD/SY
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 12/7/2018 10:34:45 AM

Quant Time: Dec 07 00:20:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	106919	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	183542	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	169384	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	80123	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	8460	5.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.36%	
35) Dibromofluoromethane	4.88	113	5916	5.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.24%	
50) Toluene-d8	7.57	98	22608	4.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.90%	
62) 4-Bromofluorobenzene	10.31	95	8504	4.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	6903	4.817	ug/l	99
3) Chloromethane	1.33	50	13214	5.015	ug/l	99
4) Vinyl Chloride	1.40	62	9288	4.885	ug/l	99
5) Bromomethane	1.62	94	3680	4.805	ug/l	92
6) Chloroethane	1.69	64	5472	5.083	ug/l	95
7) Trichlorofluoromethane	1.88	101	9841	4.919	ug/l	97
8) Diethyl Ether	2.10	74	4549	4.860	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.29	101	6017	5.029	ug/l	99
10) Methyl Iodide	2.41	142	3938	4.195	ug/l	98
11) Tert butyl alcohol	2.83	59	9275	25.514	ug/l	100
12) 1,1-Dichloroethene	2.28	96	5801	4.873	ug/l	90
13) Acrolein	2.19	56	7251	25.021	ug/l	98
14) Allyl chloride	2.59	41	13432	4.770	ug/l	97
15) Acrylonitrile	2.94	53	24791	24.563	ug/l	98
16) Acetone	2.32	43	28743	26.996	ug/l	100
17) Carbon Disulfide	2.48	76	20565	4.795	ug/l	99
18) Methyl Acetate	2.62	43	13608	4.930	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	23090	5.117	ug/l	99
20) Methylene Chloride	2.70	84	7486	4.769	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	6746	5.033	ug/l	96
22) Diisopropyl ether	3.57	45	27114	4.951	ug/l #	87
23) Vinyl Acetate	3.52	43	108505	24.020	ug/l	100
24) 1,1-Dichloroethane	3.45	63	14198	4.953	ug/l	99
25) 2-Butanone	4.26	43	37202	25.567	ug/l	100
26) 2,2-Dichloropropane	4.23	77	11626	5.118	ug/l	95
27) cis-1,2-Dichloroethene	4.22	96	7260	4.786	ug/l	95
28) Bromochloromethane	4.55	49	6709	5.148	ug/l #	97
29) Tetrahydrofuran	4.64	42	22901	24.506	ug/l	99
30) Chloroform	4.67	83	12939	5.179	ug/l	92
31) Cyclohexane	4.99	56	16784	4.991	ug/l #	85
32) 1,1,1-Trichloroethane	4.91	97	10223	4.927	ug/l	97
36) 1,1-Dichloropropene	5.14	75	9987	4.972	ug/l	97
37) Ethyl Acetate	4.39	43	11500	4.429	ug/l	97
38) Carbon Tetrachloride	5.13	117	7977	4.928	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	12407	5.063	ug/l	99
40) Benzene	5.39	78	30332	5.128	ug/l	99
41) Methacrylonitrile	4.55	41	7326	5.152	ug/l #	91
42) 1,2-Dichloroethane	5.40	62	10639	5.138	ug/l	96
43) Isopropyl Acetate	5.55	43	20251	4.931	ug/l	97
44) Trichloroethene	6.19	130	6715	5.105	ug/l	96
45) 1,2-Dichloropropane	6.43	63	8564	5.148	ug/l	98
46) Dibromomethane	6.56	93	5004	5.070	ug/l	99
47) Bromodichloromethane	6.76	83	9527	4.960	ug/l	99
48) Methyl methacrylate	6.62	41	10089	4.940	ug/l	98
49) 1,4-Dioxane	6.62	88	3182	98.677	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	65130	25.146	ug/l	98
52) Toluene	7.64	92	17108	4.914	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	11267	4.926	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	12358	4.980	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	7015	5.098	ug/l	98
56) Ethyl methacrylate	8.02	69	10966	4.653	ug/l	94
57) 1,3-Dichloropropane	8.24	76	12547	4.912	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	28539	23.644	ug/l	100
59) 2-Hexanone	8.36	43	50448	24.573	ug/l	99
60) Dibromochloromethane	8.48	129	6522	4.841	ug/l	98
61) 1,2-Dibromoethane	8.58	107	7278	5.043	ug/l	98
64) Tetrachloroethene	8.23	164	5716	5.059	ug/l	96
65) Chlorobenzene	9.12	112	18464	5.116	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	5909	5.127	ug/l	97
67) Ethyl Benzene	9.25	91	33134	4.994	ug/l	98
68) m/p-Xylenes	9.37	106	24522	10.157	ug/l	99
69) o-Xylene	9.78	106	11751	5.008	ug/l	98
70) Styrene	9.79	104	19191	4.942	ug/l	97
71) Bromoform	9.96	173	4672	4.765	ug/l #	99
73) Isopropylbenzene	10.16	105	31491	5.122	ug/l	100
74) N-amyl acetate	10.01	43	17377	4.900	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	12371	5.238	ug/l	95
76) 1,2,3-Trichloropropane	10.49	75	10327m	4.468	ug/l	
77) Bromobenzene	10.45	156	7391	5.140	ug/l	96
78) n-propylbenzene	10.59	91	38664	5.061	ug/l	97
79) 2-Chlorotoluene	10.66	91	23025	5.232	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	25859	5.081	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	3980m	3.482	ug/l	
82) 4-Chlorotoluene	10.77	91	26349	5.053	ug/l	97
83) tert-Butylbenzene	11.10	119	25001	5.097	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	26919	5.132	ug/l	97
85) sec-Butylbenzene	11.32	105	31591	5.013	ug/l	99
86) p-Isopropyltoluene	11.48	119	26946	5.034	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	13948	5.137	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	14105	5.021	ug/l	92
89) n-Butylbenzene	11.89	91	25799	4.762	ug/l	99
90) Hexachloroethane	12.14	117	4077	5.039	ug/l	94
91) 1,2-Dichlorobenzene	11.88	146	13673	5.034	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	2596	5.077	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	8453	4.341	ug/l	97
94) Hexachlorobutadiene	13.69	225	4549	5.113	ug/l	97
95) Naphthalene	13.75	128	28887	4.433	ug/l	98
96) 1,2,3-Trichlorobenzene	13.99	180	8879	4.533	ug/l	100

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

