

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061318\
 Data File : VU024499.D
 Acq On : 13 Jun 2018 11:33
 Operator : MD/SY
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 6/14/2018 9:44:16 AM

Quant Time: Jun 13 13:17:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:03:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	200290	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	299246	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	277275	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	155341	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	2932	0.966	ug/l	96
3) Chloromethane	1.33	50	3207	0.907	ug/l	95
4) Vinyl Chloride	1.40	62	2986	0.758	ug/l #	82
5) Bromomethane	1.63	94	1307	0.604	ug/l	92
6) Chloroethane	1.70	64	2795	1.049	ug/l #	88
7) Trichlorofluoromethane	1.89	101	4810	0.899	ug/l	92
8) Diethyl Ether	2.10	74	2174	1.017	ug/l	58
9) 1,1,2-Trichlorotrifluoroet	2.29	101	3170	1.065	ug/l #	84
12) 1,1-Dichloroethene	2.29	96	2342	0.840	ug/l	95
14) Allyl chloride	2.59	41	4449	0.940	ug/l	99
15) Acrylonitrile	2.94	53	7568	3.761	ug/l	95
16) Acetone	2.32	43	10620	4.195	ug/l	94
17) Carbon Disulfide	2.48	76	8119	0.946	ug/l	99
18) Methyl Acetate	2.62	43	4382	0.871	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	9575	1.093	ug/l	97
20) Methylene Chloride	2.71	84	3554	1.022	ug/l	89
21) trans-1,2-Dichloroethene	2.99	96	2911	0.973	ug/l	93
22) Diisopropyl ether	3.58	45	9103	0.955	ug/l #	85
23) Vinyl Acetate	3.53	43	39997	5.709	ug/l	96
24) 1,1-Dichloroethane	3.45	63	5318	0.891	ug/l #	94
25) 2-Butanone	4.27	43	11660	3.851	ug/l	93
26) 2,2-Dichloropropane	4.23	77	5399	1.186	ug/l	82
27) cis-1,2-Dichloroethene	4.24	96	3220m	0.990	ug/l	
28) Bromochloromethane	4.55	49	2011	0.920	ug/l #	80
29) Tetrahydrofuran	4.64	42	8191	4.741	ug/l	94
30) Chloroform	4.68	83	5535	0.915	ug/l	88
31) Cyclohexane	5.00	56	9141	1.544	ug/l #	57
32) 1,1,1-Trichloroethane	4.91	97	5326	1.095	ug/l	93
36) 1,1-Dichloropropene	5.14	75	4062	0.951	ug/l #	73
37) Ethyl Acetate	4.40	43	3366	0.703	ug/l #	93
38) Carbon Tetrachloride	5.13	117	4282	1.053	ug/l	91
39) Methylcyclohexane	6.42	83	5442	1.179	ug/l	97
40) Benzene	5.40	78	11206	0.871	ug/l	92
41) Methacrylonitrile	4.55	41	1701m	0.634	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) 1,2-Dichloroethane	5.41	62	4359	0.884	ug/l	84
43) Isopropyl Acetate	5.56	43	7451	1.022	ug/l #	89
44) Trichloroethene	6.20	130	3452	1.029	ug/l	78
45) 1,2-Dichloropropane	6.44	63	2925	0.846	ug/l	94
46) Dibromomethane	6.57	93	1939	0.847	ug/l	97
47) Bromodichloromethane	6.76	83	4016	0.906	ug/l #	95
48) Methyl methacrylate	6.63	41	3454	0.966	ug/l #	83
49) 1,4-Dioxane	6.63	88	1414	18.748	ug/l #	64
51) 4-Methyl-2-Pentanone	7.46	43	21678	4.120	ug/l	96
52) Toluene	7.65	92	7458	0.976	ug/l	96
53) t-1,3-Dichloropropene	7.89	75	4290	0.931	ug/l	94
54) cis-1,3-Dichloropropene	7.28	75	5108	1.016	ug/l	95
55) 1,1,2-Trichloroethane	8.08	97	3335	1.018	ug/l #	91
56) Ethyl methacrylate	8.02	69	4786	1.121	ug/l	96
57) 1,3-Dichloropropane	8.25	76	5028	0.893	ug/l	91
58) 2-Chloroethyl Vinyl ether	7.14	63	8668	3.946	ug/l	99
59) 2-Hexanone	8.37	43	17971	4.269	ug/l	91
60) Dibromochloromethane	8.48	129	4096	1.232	ug/l	92
61) 1,2-Dibromoethane	8.59	107	3373	0.984	ug/l	97
64) Tetrachloroethene	8.23	164	2965	1.076	ug/l #	90
65) Chlorobenzene	9.12	112	8032	0.995	ug/l	91
66) 1,1,1,2-Tetrachloroethane	9.21	131	3059	1.104	ug/l	85
67) Ethyl Benzene	9.26	91	14453	1.111	ug/l	90
68) m/p-Xylenes	9.38	106	10822	2.184	ug/l	97
69) o-Xylene	9.79	106	5312	1.163	ug/l	96
70) Styrene	9.80	104	8522	1.096	ug/l	95
71) Bromoform	9.97	173	2835	1.186	ug/l #	95
73) Isopropylbenzene	10.17	105	14125	1.319	ug/l	97
74) N-amyl acetate	10.02	43	6422	1.325	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	10.46	83	4967	1.069	ug/l	90
76) 1,2,3-Trichloropropane	10.50	75	3427	1.052	ug/l	84
77) Bromobenzene	10.46	156	3528	1.190	ug/l	95
78) n-propylbenzene	10.59	91	16077	1.211	ug/l	94
79) 2-Chlorotoluene	10.67	91	10098	1.253	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	12626	1.390	ug/l	96
81) trans-1,4-Dichloro-2-buten	10.53	75	1390m	0.905	ug/l	
82) 4-Chlorotoluene	10.78	91	11274	1.206	ug/l	99
83) tert-Butylbenzene	11.10	119	11739	1.328	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	12165	1.326	ug/l	97
85) sec-Butylbenzene	11.33	105	14275	1.286	ug/l	94
86) p-Isopropyltoluene	11.48	119	13209	1.347	ug/l	92
87) 1,3-Dichlorobenzene	11.43	146	6367	1.117	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	6352m	1.065	ug/l	
89) n-Butylbenzene	11.90	91	10695	1.108	ug/l	96
90) Hexachloroethane	12.15	117	2720	1.547	ug/l	81
91) 1,2-Dichlorobenzene	11.89	146	6658	1.168	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	12.66	75	1177	1.241	ug/l	83
93) 1,2,4-Trichlorobenzene	13.52	180	2732	0.812	ug/l	98
94) Hexachlorobutadiene	13.70	225	2145	1.073	ug/l	93
95) Naphthalene	13.76	128	6956	0.756	ug/l #	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	14.00	180	2694	0.792	ug/l	92

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

