

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010319\
 Data File : VU028991.D
 Acq On : 03 Jan 2019 12:41
 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
 1/4/2019 9:50:44 AM

Quant Time: Jan 03 14:50:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 03 14:38:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	126791	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	205736	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	185221	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	81703	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	848	0.499 ug/l	99
3) Chloromethane	1.33	50	1703	0.545 ug/l	92
4) Vinyl Chloride	1.40	62	1127	0.500 ug/l	91
5) Bromomethane	1.62	94	860	0.947 ug/l	90
6) Chloroethane	1.70	64	755	0.591 ug/l #	82
7) Trichlorofluoromethane	1.88	101	1227	0.517 ug/l	85
8) Diethyl Ether	2.10	74	582	0.524 ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.28	101	930	0.655 ug/l #	84
12) 1,1-Dichloroethene	2.28	96	830	0.588 ug/l	92
14) Allyl chloride	2.59	41	1544	0.462 ug/l	95
15) Acrylonitrile	2.94	53	2617	2.187 ug/l	100
16) Acetone	2.32	43	3381	2.678 ug/l #	81
17) Carbon Disulfide	2.48	76	3965	0.780 ug/l	100
18) Methyl Acetate	2.62	43	1372	0.419 ug/l #	81
19) Methyl tert-butyl Ether	3.00	73	3048	0.570 ug/l #	89
20) Methylene Chloride	2.70	84	1257	0.675 ug/l #	86
21) trans-1,2-Dichloroethene	2.99	96	905	0.569 ug/l	89
22) Diisopropyl ether	3.57	45	2660	0.410 ug/l #	53
23) Vinyl Acetate	3.53	43	10908	2.036 ug/l #	95
24) 1,1-Dichloroethane	3.44	63	1550	0.456 ug/l #	85
25) 2-Butanone	4.28	43	3396	1.968 ug/l #	90
26) 2,2-Dichloropropane	4.23	77	1361	0.505 ug/l #	69
27) cis-1,2-Dichloroethene	4.23	96	1047	0.582 ug/l	82
28) Bromochloromethane	4.55	49	988	0.639 ug/l #	83
29) Tetrahydrofuran	4.65	42	2460	2.220 ug/l	97
30) Chloroform	4.67	83	1607	0.542 ug/l #	77
31) Cyclohexane	4.98	56	3529	0.885 ug/l #	1
32) 1,1,1-Trichloroethane	4.92	97	1311	0.533 ug/l #	42
36) 1,1-Dichloropropene	5.14	75	1262	0.561 ug/l #	87
37) Ethyl Acetate	4.40	43	1622m	0.557 ug/l	
38) Carbon Tetrachloride	5.13	117	965	0.532 ug/l	95
39) Methylcyclohexane	6.42	83	1474	0.537 ug/l #	85
40) Benzene	5.39	78	4097	0.618 ug/l	94
41) Methacrylonitrile	4.56	41	344	0.216 ug/l #	74

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	5.41	62	1144	0.493	ug/l #	76
43) Isopropyl Acetate	5.56	43	1872	0.407	ug/l #	88
44) Trichloroethene	6.19	130	968	0.657	ug/l	97
45) 1,2-Dichloropropane	6.44	63	1090	0.585	ug/l #	85
46) Dibromomethane	6.56	93	610m	0.551	ug/l	
47) Bromodichloromethane	6.76	83	1154	0.536	ug/l #	91
48) Methyl methacrylate	6.63	41	857	0.374	ug/l #	67
49) 1,4-Dioxane	6.63	88	431	11.924	ug/l #	51
51) 4-Methyl-2-Pentanone	7.47	43	6988	2.407	ug/l	98
52) Toluene	7.64	92	2398	0.615	ug/l	90
53) t-1,3-Dichloropropene	7.89	75	1263	0.493	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	1449	0.521	ug/l	93
55) 1,1,2-Trichloroethane	8.07	97	899	0.583	ug/l	89
56) Ethyl methacrylate	8.03	69	1180	0.447	ug/l #	78
57) 1,3-Dichloropropane	8.24	76	1667	0.582	ug/l #	86
58) 2-Chloroethyl Vinyl ether	7.13	63	3763	2.781	ug/l	92
59) 2-Hexanone	8.37	43	5172	2.248	ug/l	96
60) Dibromochloromethane	8.48	129	968	0.641	ug/l	99
61) 1,2-Dibromoethane	8.59	107	982	0.607	ug/l	99
64) Tetrachloroethene	8.22	164	888	0.719	ug/l	92
65) Chlorobenzene	9.12	112	2550	0.646	ug/l	92
66) 1,1,1,2-Tetrachloroethane	9.21	131	803	0.637	ug/l #	62
67) Ethyl Benzene	9.25	91	4187	0.577	ug/l	95
68) m/p-Xylenes	9.38	106	3219	1.219	ug/l	95
69) o-Xylene	9.78	106	1529	0.596	ug/l	83
70) Styrene	9.80	104	2228	0.525	ug/l	94
71) Bromoform	9.96	173	619	0.577	ug/l #	71
73) Isopropylbenzene	10.16	105	3753	0.599	ug/l	98
74) N-amyl acetate	10.02	43	1554	0.430	ug/l	96
75) 1,1,2,2-Tetrachloroethane	10.46	83	1713	0.711	ug/l #	97
76) 1,2,3-Trichloropropane	10.50	75	1334m	0.639	ug/l	
77) Bromobenzene	10.46	156	1044	0.712	ug/l	92
78) n-propylbenzene	10.59	91	4375	0.562	ug/l	99
79) 2-Chlorotoluene	10.66	91	2912	0.649	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	2872	0.553	ug/l	95
81) trans-1,4-Dichloro-2-buten	10.50	75	699m	0.778	ug/l	
82) 4-Chlorotoluene	10.77	91	3072	0.578	ug/l	98
83) tert-Butylbenzene	11.10	119	3130	0.626	ug/l	96
84) 1,2,4-Trimethylbenzene	11.15	105	2954	0.552	ug/l	95
85) sec-Butylbenzene	11.32	105	3752	0.584	ug/l	96
86) p-Isopropyltoluene	11.48	119	3189	0.584	ug/l	93
87) 1,3-Dichlorobenzene	11.42	146	2108	0.761	ug/l	93
88) 1,4-Dichlorobenzene	11.51	146	2471m	0.863	ug/l	
89) n-Butylbenzene	11.89	91	2702	0.489	ug/l	93
90) Hexachloroethane	12.14	117	480	0.582	ug/l	91
91) 1,2-Dichlorobenzene	11.88	146	2051	0.741	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	309	0.593	ug/l	81
93) 1,2,4-Trichlorobenzene	13.50	180	1487m	0.749	ug/l	
94) Hexachlorobutadiene	13.69	225	593	0.654	ug/l	96
95) Naphthalene	13.75	128	6519	0.981	ug/l #	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	13.99	180	1942	0.972	ug/l	96

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

