

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110218\
 Data File : VU027905.D
 Acq On : 01 Nov 2018 19:12
 Operator : MD/SY
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 11/2/2018 9:00:09 AM

Quant Time: Nov 02 01:05:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 01:48:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	165686	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	290366	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	264869	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	126098	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	47824	17.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.90%	
35) Dibromofluoromethane	4.88	113	34852	17.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.32%	
50) Toluene-d8	7.57	98	133329	18.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.20%	
62) 4-Bromofluorobenzene	10.31	95	48047	17.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.02%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.21	85	45464	19.450	ug/l	98
3) Chloromethane	1.33	50	49753	15.943	ug/l	99
4) Vinyl Chloride	1.40	62	49592	16.784	ug/l	99
5) Bromomethane	1.62	94	20341	15.978	ug/l	96
6) Chloroethane	1.70	64	28502	15.998	ug/l	100
7) Trichlorofluoromethane	1.89	101	59304	19.312	ug/l	97
8) Diethyl Ether	2.11	74	24484	17.543	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.29	101	35005	19.569	ug/l	99
10) Methyl Iodide	2.41	142	19524	14.831	ug/l	99
11) Tert butyl alcohol	2.83	59	64290	106.559	ug/l	100
12) 1,1-Dichloroethene	2.29	96	33806	19.338	ug/l	98
13) Acrolein	2.20	56	23149	52.647	ug/l	94
14) Allyl chloride	2.59	41	78975	19.037	ug/l	99
15) Acrylonitrile	2.94	53	157589	102.147	ug/l	97
16) Acetone	2.32	43	143236	88.815	ug/l	98
17) Carbon Disulfide	2.48	76	108720	17.403	ug/l	99
18) Methyl Acetate	2.62	43	78484	20.542	ug/l	95
19) Methyl tert-butyl Ether	3.00	73	139190	19.794	ug/l	99
20) Methylene Chloride	2.70	84	43209	18.921	ug/l	93
21) trans-1,2-Dichloroethene	2.98	96	38694	19.561	ug/l	97
22) Diisopropyl ether	3.58	45	174435	20.489	ug/l	96
23) Vinyl Acetate	3.53	43	754881	101.588	ug/l	100
24) 1,1-Dichloroethane	3.45	63	85964	19.795	ug/l	100
25) 2-Butanone	4.27	43	239867	105.601	ug/l	99
26) 2,2-Dichloropropane	4.23	77	61792	17.577	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	44498	19.603	ug/l	98
28) Bromochloromethane	4.55	49	43679	21.184	ug/l	99
29) Tetrahydrofuran	4.64	42	160188	110.984	ug/l	99
30) Chloroform	4.67	83	79184	20.434	ug/l	100
31) Cyclohexane	5.00	56	87309	17.232	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	64376	19.802	ug/l	99
36) 1,1-Dichloropropene	5.14	75	57834	18.460	ug/l	99
37) Ethyl Acetate	4.39	43	87826	21.148	ug/l	99
38) Carbon Tetrachloride	5.14	117	51256	18.123	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	72148	19.646	ug/l	98
40) Benzene	5.39	78	183415	19.827	ug/l	99
41) Methacrylonitrile	4.54	41	46751	19.968	ug/l	96
42) 1,2-Dichloroethane	5.41	62	64943	19.138	ug/l	99
43) Isopropyl Acetate	5.55	43	136377	21.209	ug/l	100
44) Trichloroethene	6.19	130	38521	18.835	ug/l	100
45) 1,2-Dichloropropane	6.44	63	52454	19.737	ug/l	98
46) Dibromomethane	6.56	93	30043	20.005	ug/l	98
47) Bromodichloromethane	6.76	83	57558	18.619	ug/l	99
48) Methyl methacrylate	6.62	41	66860	20.890	ug/l	100
49) 1,4-Dioxane	6.62	88	23624	432.850	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	451331	107.360	ug/l	100
52) Toluene	7.64	92	106035	19.471	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	63734	17.614	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	71648	18.404	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	43232	20.021	ug/l	95
56) Ethyl methacrylate	8.02	69	75662	20.870	ug/l	98
57) 1,3-Dichloropropane	8.24	76	79033	18.923	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	213234	107.431	ug/l	99
59) 2-Hexanone	8.36	43	350860	107.365	ug/l	99
60) Dibromochloromethane	8.48	129	41041	18.918	ug/l	97
61) 1,2-Dibromoethane	8.59	107	46317	19.972	ug/l	98
64) Tetrachloroethene	8.23	164	33307	20.203	ug/l	95
65) Chlorobenzene	9.12	112	109296	19.549	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.21	131	37109	19.266	ug/l	99
67) Ethyl Benzene	9.25	91	205090	20.668	ug/l	100
68) m/p-Xylenes	9.38	106	149322	41.268	ug/l	98
69) o-Xylene	9.78	106	73462	21.266	ug/l	100
70) Styrene	9.79	104	118202	20.827	ug/l	100
71) Bromoform	9.96	173	28289	18.067	ug/l #	100
73) Isopropylbenzene	10.17	105	193146	21.065	ug/l	100
74) N-amyl acetate	10.02	43	116456	21.749	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	78211	21.398	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	65484m	20.030	ug/l	
77) Bromobenzene	10.45	156	44505	20.678	ug/l	98
78) n-propylbenzene	10.59	91	233224	21.146	ug/l	100
79) 2-Chlorotoluene	10.66	91	138386	20.779	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	164011	21.832	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	23728m	18.754	ug/l	
82) 4-Chlorotoluene	10.77	91	157156	20.855	ug/l	100
83) tert-Butylbenzene	11.10	119	155148	21.367	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	162136	21.207	ug/l	97
85) sec-Butylbenzene	11.32	105	196010	21.450	ug/l	100
86) p-Isopropyltoluene	11.48	119	162163	20.834	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	80263	19.836	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	81240	19.662	ug/l	100
89) n-Butylbenzene	11.89	91	152823	20.915	ug/l	99
90) Hexachloroethane	12.15	117	27919	19.080	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	83343	21.048	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	16519	20.568	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	52665	20.530	ug/l	99
94) Hexachlorobutadiene	13.69	225	26098	20.255	ug/l	98
95) Naphthalene	13.74	128	192954	22.070	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	56659	21.113	ug/l	98

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

