

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090619\
 Data File : VU034272.D
 Acq On : 05 Sep 2019 09:37
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/6/2019 3:21:26 PM

Quant Time: Sep 06 04:30:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 04:16:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	298607	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	437791	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	445909	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	280634	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	25628	6.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	13.08%	
35) Dibromofluoromethane	4.86	113	24581	7.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	15.32%	
50) Toluene-d8	7.55	98	74770	6.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.36%	
62) 4-Bromofluorobenzene	10.29	95	32462	6.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	13.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	17685	6.076	ug/l	97
3) Chloromethane	1.32	50	21617	5.035	ug/l	98
4) Vinyl Chloride	1.40	62	21417	5.550	ug/l	99
5) Bromomethane	1.61	94	13707	6.660	ug/l	98
6) Chloroethane	1.69	64	13918	5.805	ug/l	98
7) Trichlorofluoromethane	1.87	101	27896	6.072	ug/l	99
8) Diethyl Ether	2.09	74	11827	5.966	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.27	101	18964	6.471	ug/l	99
10) Methyl Iodide	2.40	142	9615	2.509	ug/l	97
11) Tert butyl alcohol	2.81	59	24766	28.206	ug/l	98
12) 1,1-Dichloroethene	2.27	96	17395	5.891	ug/l	94
13) Acrolein	2.18	56	23806	53.140	ug/l	100
14) Allyl chloride	2.58	41	32740	5.874	ug/l	99
15) Acrylonitrile	2.92	53	61511	30.037	ug/l	97
16) Acetone	2.31	43	63689	32.485	ug/l	100
17) Carbon Disulfide	2.46	76	40518	4.554	ug/l	100
18) Methyl Acetate	2.60	43	30375	5.996	ug/l	97
19) Methyl tert-butyl Ether	2.98	73	59450	6.009	ug/l	95
20) Methylene Chloride	2.68	84	23081	6.256	ug/l	98
21) trans-1,2-Dichloroethene	2.97	96	19109	5.997	ug/l	98
22) Diisopropyl ether	3.55	45	62297	6.000	ug/l #	78
23) Vinyl Acetate	3.51	43	237386	26.859	ug/l	99
24) 1,1-Dichloroethane	3.43	63	39553	6.484	ug/l	98
25) 2-Butanone	4.25	43	80942	29.702	ug/l	100
26) 2,2-Dichloropropane	4.20	77	30621	6.177	ug/l	99
27) cis-1,2-Dichloroethene	4.21	96	22067	6.063	ug/l	97
28) Bromochloromethane	4.53	49	18700	6.185	ug/l	94
29) Tetrahydrofuran	4.62	42	47312	28.145	ug/l	98
30) Chloroform	4.65	83	39792	6.488	ug/l	99
31) Cyclohexane	4.97	56	31201	5.679	ug/l #	82
32) 1,1,1-Trichloroethane	4.89	97	31941	6.403	ug/l	98
36) 1,1-Dichloropropene	5.12	75	24730	5.964	ug/l	99
37) Ethyl Acetate	4.37	43	25907	5.502	ug/l #	89
38) Carbon Tetrachloride	5.11	117	26360	6.470	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	25445	5.298	ug/l	98
40) Benzene	5.37	78	80283	6.314	ug/l	100
41) Methacrylonitrile	4.53	41	14486	5.937	ug/l	97
42) 1,2-Dichloroethane	5.39	62	28309	6.454	ug/l	99
43) Isopropyl Acetate	5.53	43	42939	5.963	ug/l	97
44) Trichloroethene	6.17	130	23119	6.852	ug/l	99
45) 1,2-Dichloropropane	6.41	63	23466	6.640	ug/l	97
46) Dibromomethane	6.54	93	15033	6.612	ug/l	97
47) Bromodichloromethane	6.74	83	29674	6.619	ug/l	98
48) Methyl methacrylate	6.61	41	18044	5.231	ug/l	94
49) 1,4-Dioxane	6.60	88	9154	108.092	ug/l	94
51) 4-Methyl-2-Pentanone	7.44	43	150962	30.256	ug/l	97
52) Toluene	7.62	92	50455	6.408	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	28926	5.884	ug/l	96
54) cis-1,3-Dichloropropene	7.25	75	32214	5.977	ug/l	96
55) 1,1,2-Trichloroethane	8.05	97	22332	6.613	ug/l	95
56) Ethyl methacrylate	8.00	69	26680	5.354	ug/l	97
57) 1,3-Dichloropropane	8.22	76	36904	6.485	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.11	63	41164	22.880	ug/l	99
59) 2-Hexanone	8.35	43	110460	29.359	ug/l	96
60) Dibromochloromethane	8.46	129	23938	6.579	ug/l	99
61) 1,2-Dibromoethane	8.57	107	21833	6.203	ug/l	95
64) Tetrachloroethene	8.21	164	20505	6.707	ug/l	96
65) Chlorobenzene	9.10	112	58723	6.285	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.19	131	21364	6.258	ug/l	95
67) Ethyl Benzene	9.23	91	89347	5.683	ug/l	98
68) m/p-Xylenes	9.36	106	67766	11.294	ug/l	97
69) o-Xylene	9.76	106	31501	5.466	ug/l	93
70) Styrene	9.77	104	53663	5.401	ug/l	97
71) Bromoform	9.94	173	18219	6.123	ug/l #	99
73) Isopropylbenzene	10.15	105	86842	4.726	ug/l	100
74) N-amyl acetate	10.00	43	31933	4.163	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.44	83	39491	5.551	ug/l	99
76) 1,2,3-Trichloropropane	10.48	75	32769m	5.352	ug/l	
77) Bromobenzene	10.43	156	25594	5.133	ug/l	99
78) n-propylbenzene	10.57	91	100005	4.669	ug/l	99
79) 2-Chlorotoluene	10.64	91	64225	4.992	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	72031	4.623	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	8788m	4.756	ug/l	
82) 4-Chlorotoluene	10.76	91	71811	4.841	ug/l	98
83) tert-Butylbenzene	11.08	119	71913	4.686	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	71218	4.602	ug/l	97
85) sec-Butylbenzene	11.31	105	84616	4.599	ug/l	100
86) p-Isopropyltoluene	11.46	119	76045	4.566	ug/l	98
87) 1,3-Dichlorobenzene	11.40	146	46822	5.285	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	49221	5.475	ug/l	97
89) n-Butylbenzene	11.87	91	63146	4.307	ug/l	96
90) Hexachloroethane	12.12	117	12994	4.563	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	46168	5.422	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.64	75	6441	4.571	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	20115	3.865	ug/l	97
94) Hexachlorobutadiene	13.67	225	15801	4.831	ug/l	99
95) Naphthalene	13.73	128	47210	3.288	ug/l	98
96) 1,2,3-Trichlorobenzene	13.97	180	23395	4.282	ug/l	95

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

