

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092218\
 Data File : VU026966.D
 Acq On : 21 Sep 2018 14:05
 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
 9/24/2018 2:14:01 PM

Quant Time: Sep 22 10:18:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 00:44:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	75431	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	128666	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	117377	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	49988	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	1004	1.194	ug/l	88
3) Chloromethane	1.33	50	2064	1.689	ug/l	96
4) Vinyl Chloride	1.40	62	1691	1.365	ug/l	89
5) Bromomethane	1.62	94	940	1.237	ug/l	95
6) Chloroethane	1.70	64	981	1.239	ug/l	93
7) Trichlorofluoromethane	1.88	101	1917	1.215	ug/l	89
8) Diethyl Ether	2.11	74	870	1.230	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	2.29	101	1224	1.301	ug/l	89
10) Methyl Iodide	2.41	142	1390	1.692	ug/l #	93
11) Tert butyl alcohol	2.83	59	2108	7.176	ug/l #	72
12) 1,1-Dichloroethene	2.28	96	1095	1.227	ug/l #	86
13) Acrolein	2.20	56	762	3.987	ug/l	97
14) Allyl chloride	2.59	41	2020	1.215	ug/l	95
15) Acrylonitrile	2.94	53	4253	6.613	ug/l	98
16) Acetone	2.32	43	7431	10.836	ug/l	97
17) Carbon Disulfide	2.48	76	3822	1.338	ug/l	99
18) Methyl Acetate	2.62	43	2256	1.482	ug/l #	85
19) Methyl tert-butyl Ether	3.01	73	3646	1.165	ug/l	90
20) Methylene Chloride	2.70	84	1627	1.491	ug/l	87
21) trans-1,2-Dichloroethene	2.99	96	1067	1.127	ug/l	98
22) Diisopropyl ether	3.57	45	3800	1.091	ug/l #	82
23) Vinyl Acetate	3.53	43	15950	5.396	ug/l	99
24) 1,1-Dichloroethane	3.45	63	2378	1.226	ug/l #	84
25) 2-Butanone	4.28	43	6240	6.668	ug/l	95
26) 2,2-Dichloropropane	4.23	77	1936	1.229	ug/l #	65
27) cis-1,2-Dichloroethene	4.23	96	1181	1.089	ug/l	92
28) Bromochloromethane	4.55	49	1006	1.077	ug/l #	89
29) Tetrahydrofuran	4.65	42	3438	6.035	ug/l	91
30) Chloroform	4.67	83	2413	1.280	ug/l	99
31) Cyclohexane	4.99	56	3770	1.885	ug/l #	2
32) 1,1,1-Trichloroethane	4.93	97	1670	1.079	ug/l #	49
36) 1,1-Dichloropropene	5.14	75	1631	1.098	ug/l	86
37) Ethyl Acetate	4.39	43	2471	1.347	ug/l #	76
38) Carbon Tetrachloride	5.13	117	1569	1.015	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	1496	0.855	ug/l	98
40) Benzene	5.40	78	4961	1.080	ug/l	95
41) Methacrylonitrile	4.56	41	895	0.936	ug/l #	29
42) 1,2-Dichloroethane	5.41	62	1844	1.107	ug/l	83
43) Isopropyl Acetate	5.56	43	2781	1.003	ug/l #	93
44) Trichloroethene	6.19	130	973	0.876	ug/l	89
45) 1,2-Dichloropropane	6.43	63	1311	1.040	ug/l	96
46) Dibromomethane	6.57	93	838	1.047	ug/l	93
47) Bromodichloromethane	6.76	83	1797	1.134	ug/l #	92
48) Methyl methacrylate	6.63	41	1136	0.827	ug/l	98
49) 1,4-Dioxane	6.62	88	475	15.389	ug/l #	84
51) 4-Methyl-2-Pentanone	7.47	43	8340	4.460	ug/l	94
52) Toluene	7.64	92	2393	0.872	ug/l	94
53) t-1,3-Dichloropropene	7.89	75	1511	0.855	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	1774	0.931	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	1061	0.908	ug/l	94
56) Ethyl methacrylate	8.03	69	1171	0.680	ug/l	95
57) 1,3-Dichloropropane	8.25	76	1957	0.966	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	3243	3.677	ug/l	92
59) 2-Hexanone	8.37	43	7197	4.918	ug/l	87
60) Dibromochloromethane	8.48	129	1084	0.875	ug/l	98
61) 1,2-Dibromoethane	8.59	107	1113	0.882	ug/l	90
64) Tetrachloroethene	8.23	164	955	1.035	ug/l #	78
65) Chlorobenzene	9.12	112	3312	1.134	ug/l	94
66) 1,1,1,2-Tetrachloroethane	9.21	131	936	0.875	ug/l #	59
67) Ethyl Benzene	9.25	91	4357	0.897	ug/l	92
68) m/p-Xylenes	9.38	106	2651	1.443	ug/l	90
69) o-Xylene	9.78	106	1369	0.768	ug/l	97
70) Styrene	9.80	104	1883	0.645	ug/l	93
71) Bromoform	9.96	173	658	0.723	ug/l #	99
73) Isopropylbenzene	10.17	105	3136	0.899	ug/l	100
74) N-amyl acetate	10.02	43	2059	1.210	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	10.46	83	2045	1.422	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	1690m	1.444	ug/l	
77) Bromobenzene	10.46	156	953	1.025	ug/l	91
78) n-propylbenzene	10.59	91	3417	0.837	ug/l	97
79) 2-Chlorotoluene	10.66	91	2545	1.008	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	2334	0.797	ug/l	91
81) trans-1,4-Dichloro-2-buten	10.51	75	475m	1.186	ug/l	
82) 4-Chlorotoluene	10.77	91	2546	0.897	ug/l	100
83) tert-Butylbenzene	11.10	119	2801	0.951	ug/l	94
84) 1,2,4-Trimethylbenzene	11.15	105	2351	0.795	ug/l	93
85) sec-Butylbenzene	11.33	105	2782	0.790	ug/l	100
86) p-Isopropyltoluene	11.48	119	2231	0.730	ug/l	86
87) 1,3-Dichlorobenzene	11.42	146	1724	0.994	ug/l	89
88) 1,4-Dichlorobenzene	11.51	146	2390	1.324	ug/l	96
89) n-Butylbenzene	11.89	91	2112	0.782	ug/l	86
90) Hexachloroethane	12.15	117	774	1.255	ug/l	95
91) 1,2-Dichlorobenzene	11.88	146	2203	1.264	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	12.66	75	351	1.217	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	905	0.794	ug/l	89
94) Hexachlorobutadiene	13.70	225	521	0.889	ug/l	92
95) Naphthalene	13.75	128	2958	0.839	ug/l #	85
96) 1,2,3-Trichlorobenzene	13.99	180	1023	0.855	ug/l	94

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

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