

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092821\
 Data File : VU044930.D
 Acq On : 28 Sep 2021 10:37
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/29/2021
 Supervised By : Mahesh Dadoda 09/30/2021

Quant Time: Sep 28 11:56:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092821W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 28 11:55:17 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.375	168	147651	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	267477	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	248396	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	124708	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	12669	4.995	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	10.000%#		
35) Dibromofluoromethane	5.292	113	8613	4.783	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	9.560%#		
50) Toluene-d8	7.899	98	32633	4.768	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	9.540%#		
62) 4-Bromofluorobenzene	10.636	95	12676	4.856	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	9.720%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	9126	5.093	ug/l	96
3) Chloromethane	1.520	50	12132	4.581	ug/l	100
4) Vinyl Chloride	1.607	62	12270	4.890	ug/l	90
5) Bromomethane	1.832	94	5242	4.117	ug/l	100
6) Chloroethane	1.906	64	10623	5.389	ug/l	98
7) Trichlorofluoromethane	2.121	101	16466	5.286	ug/l	99
8) Diethyl Ether	2.375	74	7310	5.148	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.572	101	9440	5.224	ug/l	98
10) Methyl Iodide	2.720	142	7711	3.929	ug/l	100
11) Tert butyl alcohol	3.237	59	17685	23.421	ug/l	100
12) 1,1-Dichloroethene	2.575	96	8852	4.936	ug/l	96
13) Acrolein	2.485	56	6124	30.864	ug/l	97
14) Allyl chloride	2.922	41	16905	4.911	ug/l	98
15) Acrylonitrile	3.318	53	36675	23.608	ug/l	99
16) Acetone	2.633	43	37699	25.576	ug/l	97
17) Carbon Disulfide	2.790	76	25346	5.004	ug/l	99
18) Methyl Acetate	2.951	43	22673	4.723	ug/l	100
19) Methyl tert-butyl Ether	3.366	73	34122	5.094	ug/l	96
20) Methylene Chloride	3.047	84	11305	4.796	ug/l	97
21) trans-1,2-Dichloroethene	3.353	96	9861	5.149	ug/l	94
22) Diisopropyl ether	3.999	45	34068	4.999	ug/l	99
23) Vinyl Acetate	3.957	43	131785	23.621	ug/l	98
24) 1,1-Dichloroethane	3.871	63	19452	4.922	ug/l	97
25) 2-Butanone	4.713	43	53627	24.381	ug/l	98
26) 2,2-Dichloropropane	4.668	77	16209	5.332	ug/l	98
27) cis-1,2-Dichloroethene	4.665	96	11456	4.920	ug/l	99
28) Bromochloromethane	4.977	49	8401	4.571	ug/l #	94
29) Tetrahydrofuran	5.057	42	31284	22.897	ug/l	96
30) Chloroform	5.092	83	19201	4.800	ug/l	99
31) Cyclohexane	5.385	56	21692	5.811	ug/l #	79
32) 1,1,1-Trichloroethane	5.317	97	16321	5.045	ug/l	97
36) 1,1-Dichloropropene	5.526	75	14228	4.986	ug/l	99
37) Ethyl Acetate	4.809	43	18603	4.520	ug/l	99
38) Carbon Tetrachloride	5.526	117	12239	4.828	ug/l	99
39) Methylcyclohexane	6.764	83	16831	5.159	ug/l	95
40) Benzene	5.777	78	42454	4.894	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.977	41	9633	4.677	ug/l	93
42) 1,2-Dichloroethane	5.797	62	16835	4.923	ug/l	98
43) Isopropyl Acetate	5.916	43	28735	4.928	ug/l	99
44) Trichloroethene	6.546	130	10171	4.871	ug/l	94
45) 1,2-Dichloropropane	6.793	63	11278	4.853	ug/l	97
46) Dibromomethane	6.922	93	7764	4.996	ug/l	98
47) Bromodichloromethane	7.108	83	14052	4.593	ug/l	99
48) Methyl methacrylate	6.964	41	13121	4.768	ug/l	97
49) 1,4-Dioxane	6.973	88	7290	103.857	ug/l	97
51) 4-Methyl-2-Pentanone	7.800	43	100724	24.140	ug/l	98
52) Toluene	7.973	92	26668	5.116	ug/l	95
53) t-1,3-Dichloropropene	8.214	75	15316	4.734	ug/l	97
54) cis-1,3-Dichloropropene	7.610	75	16097	4.633	ug/l	98
55) 1,1,2-Trichloroethane	8.404	97	11038	4.963	ug/l	98
56) Ethyl methacrylate	8.340	69	18168	5.088	ug/l	98
57) 1,3-Dichloropropane	8.581	76	20169	5.096	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.465	63	25043	29.483	ug/l	97
59) 2-Hexanone	8.694	43	84079	24.918	ug/l	98
60) Dibromochloromethane	8.813	129	9922	4.643	ug/l	99
61) 1,2-Dibromoethane	8.928	107	11521	4.910	ug/l	100
64) Tetrachloroethene	8.555	164	8608	5.139	ug/l	91
65) Chlorobenzene	9.449	112	27136	5.218	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.539	131	9253	4.992	ug/l	98
67) Ethyl Benzene	9.571	91	47743	5.130	ug/l	98
68) m/p-Xylenes	9.697	106	37327	10.496	ug/l	100
69) o-Xylene	10.105	106	18609	5.377	ug/l	98
70) Styrene	10.118	104	29457	5.059	ug/l	98
71) Bromoform	10.295	173	7320	4.702	ug/l #	97
73) Isopropylbenzene	10.488	105	46686	5.253	ug/l	97
74) N-amyl acetate	10.324	43	22824	5.018	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.787	83	21728	5.319	ug/l	100
76) 1,2,3-Trichloropropane	10.832	75	19095m	5.013	ug/l	
77) Bromobenzene	10.787	156	11780	5.506	ug/l	98
78) n-propylbenzene	10.909	91	54851	5.076	ug/l	100
79) 2-Chlorotoluene	10.989	91	37468	5.668	ug/l	97
80) 1,3,5-Trimethylbenzene	11.092	105	41087	5.423	ug/l	98
81) trans-1,4-Dichloro-2-b...	10.552	75	5747	4.766	ug/l	91
82) 4-Chlorotoluene	11.099	91	40142	5.329	ug/l	100
83) tert-Butylbenzene	11.423	119	40706	5.539	ug/l	99
84) 1,2,4-Trimethylbenzene	11.472	105	39830	5.321	ug/l	99
85) sec-Butylbenzene	11.645	105	49642	5.243	ug/l	99
86) p-Isopropyltoluene	11.796	119	39264	5.097	ug/l	98
87) 1,3-Dichlorobenzene	11.748	146	21246	5.101	ug/l	98
88) 1,4-Dichlorobenzene	11.841	146	22469	5.232	ug/l	94
89) n-Butylbenzene	12.211	91	33864	4.775	ug/l	100
90) Hexachloroethane	12.478	117	7395	5.280	ug/l	94
91) 1,2-Dichlorobenzene	12.218	146	23218	5.278	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.999	75	4706	4.820	ug/l	93
93) 1,2,4-Trichlorobenzene	13.844	180	10875	4.521	ug/l	97
94) Hexachlorobutadiene	14.025	225	5082	4.780	ug/l	94
95) Naphthalene	14.092	128	39943	4.772	ug/l	99
96) 1,2,3-Trichlorobenzene	14.333	180	11123	4.586	ug/l	98

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

