

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102621\
 Data File : VU045399.D
 Acq On : 26 Oct 2021 12:57
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/27/2021
 Supervised By : Mahesh Dadoda 10/27/2021

Quant Time: Oct 26 16:03:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092821W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 28 12:32:13 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.379	168	180094	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	325658	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	303100	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	146307	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.707	65	150499	50.202	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.400%			
35) Dibromofluoromethane	5.295	113	109282	53.195	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.400%			
50) Toluene-d8	7.903	98	424325	52.275	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.560%			
62) 4-Bromofluorobenzene	10.636	95	161510	48.195	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.380%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	130271	58.414	ug/l	99
3) Chloromethane	1.520	50	153646	53.189	ug/l	99
4) Vinyl Chloride	1.604	62	154263	53.483	ug/l	99
5) Bromomethane	1.848	94	63772	56.365	ug/l	99
6) Chloroethane	1.919	64	98577	44.488	ug/l	100
7) Trichlorofluoromethane	2.131	101	189327	49.704	ug/l	100
8) Diethyl Ether	2.379	74	87473	50.109	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.578	101	114209	52.722	ug/l	99
10) Methyl Iodide	2.723	142	150543	65.111	ug/l	95
11) Tert butyl alcohol	3.253	59	159791m	185.715	ug/l	
12) 1,1-Dichloroethene	2.578	96	109414	51.242	ug/l	95
13) Acrolein	2.488	56	43202	257.427	ug/l	99
14) Allyl chloride	2.925	41	206198	52.182	ug/l	97
15) Acrylonitrile	3.318	53	395755	228.069	ug/l	99
16) Acetone	2.633	43	501366	281.747	ug/l	99
17) Carbon Disulfide	2.793	76	315274	50.019	ug/l	100
18) Methyl Acetate	2.951	43	257776	49.564	ug/l	97
19) Methyl tert-butyl Ether	3.366	73	427407	51.854	ug/l	99
20) Methylene Chloride	3.047	84	134333	50.119	ug/l	94
21) trans-1,2-Dichloroethene	3.356	96	120804	51.719	ug/l	94
22) Diisopropyl ether	3.996	45	420064	52.068	ug/l	97
23) Vinyl Acetate	3.961	43	1630676	248.526	ug/l	98
24) 1,1-Dichloroethane	3.874	63	239580	51.731	ug/l	100
25) 2-Butanone	4.707	43	596171	235.805	ug/l	97
26) 2,2-Dichloropropane	4.668	77	206764	52.806	ug/l	99
27) cis-1,2-Dichloroethene	4.671	96	141418	51.262	ug/l	99
28) Bromochloromethane	4.977	49	104531	54.456	ug/l	94
29) Tetrahydrofuran	5.054	42	327767	217.785	ug/l	95
30) Chloroform	5.092	83	235801	50.516	ug/l	99
31) Cyclohexane	5.391	56	227031	49.855	ug/l	98
32) 1,1,1-Trichloroethane	5.321	97	195868	50.856	ug/l	98
36) 1,1-Dichloropropene	5.530	75	175560	51.550	ug/l	99
37) Ethyl Acetate	4.806	43	199680	44.314	ug/l	97
38) Carbon Tetrachloride	5.530	117	156975	53.267	ug/l	100
39) Methylcyclohexane	6.764	83	226170	54.097	ug/l	97
40) Benzene	5.777	78	524744	51.734	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.977	41	110166	47.491	ug/l	98
42) 1,2-Dichloroethane	5.800	62	195821	49.119	ug/l	100
43) Isopropyl Acetate	5.916	43	318920	47.045	ug/l	97
44) Trichloroethene	6.546	130	122675	51.297	ug/l	99
45) 1,2-Dichloropropane	6.793	63	138960	51.674	ug/l	98
46) Dibromomethane	6.922	93	94080	51.933	ug/l	99
47) Bromodichloromethane	7.108	83	183788	52.251	ug/l	99
48) Methyl methacrylate	6.964	41	152849	46.322	ug/l	96
49) 1,4-Dioxane	6.989	88	72908	862.381	ug/l	96
51) 4-Methyl-2-Pentanone	7.796	43	1023568	207.400	ug/l	97
52) Toluene	7.973	92	327090	51.524	ug/l	99
53) t-1,3-Dichloropropene	8.214	75	214814	53.405	ug/l	99
54) cis-1,3-Dichloropropene	7.610	75	226414	54.040	ug/l	96
55) 1,1,2-Trichloroethane	8.404	97	132360	50.040	ug/l	98
56) Ethyl methacrylate	8.337	69	223742	43.798	ug/l	95
57) 1,3-Dichloropropane	8.578	76	233785	49.524	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.465	63	371048	228.127	ug/l	97
59) 2-Hexanone	8.690	43	840686	209.181	ug/l	96
60) Dibromochloromethane	8.813	129	128544	46.014	ug/l	100
61) 1,2-Dibromoethane	8.928	107	140048	49.810	ug/l	100
64) Tetrachloroethene	8.555	164	101657	51.387	ug/l	96
65) Chlorobenzene	9.449	112	326120	51.319	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.539	131	115536	52.076	ug/l	99
67) Ethyl Benzene	9.575	91	617621	52.817	ug/l	100
68) m/p-Xylenes	9.697	106	471991	103.894	ug/l	99
69) o-Xylene	10.105	106	233170	51.714	ug/l	99
70) Styrene	10.118	104	391865	51.806	ug/l	100
71) Bromoform	10.295	173	94616	44.606	ug/l #	100
73) Isopropylbenzene	10.488	105	600248	55.092	ug/l	99
74) N-amyl acetate	10.324	43	283921	51.754	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.787	83	228284	48.425	ug/l	99
76) 1,2,3-Trichloropropane	10.829	75	196035m	45.937	ug/l	
77) Bromobenzene	10.787	156	138495	52.641	ug/l	100
78) n-propylbenzene	10.909	91	733502	55.245	ug/l	100
79) 2-Chlorotoluene	10.989	91	433345	52.069	ug/l	99
80) 1,3,5-Trimethylbenzene	11.092	105	518987	54.374	ug/l	100
81) trans-1,4-Dichloro-2-b...	10.549	75	78499	51.048	ug/l	94
82) 4-Chlorotoluene	11.099	91	502773	53.446	ug/l	100
83) tert-Butylbenzene	11.423	119	500247	53.884	ug/l	99
84) 1,2,4-Trimethylbenzene	11.472	105	517919	54.848	ug/l	100
85) sec-Butylbenzene	11.648	105	655324	54.813	ug/l	100
86) p-Isopropyltoluene	11.796	119	537082	55.846	ug/l	99
87) 1,3-Dichlorobenzene	11.748	146	264075	52.414	ug/l	100
88) 1,4-Dichlorobenzene	11.838	146	265869	51.585	ug/l	99
89) n-Butylbenzene	12.211	91	509238	57.489	ug/l	99
90) Hexachloroethane	12.478	117	94579	54.460	ug/l	99
91) 1,2-Dichlorobenzene	12.214	146	267256	51.891	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.999	75	52679	47.359	ug/l	99
93) 1,2,4-Trichlorobenzene	13.844	180	174537	60.810	ug/l	99
94) Hexachlorobutadiene	14.025	225	69242	57.791	ug/l	99
95) Naphthalene	14.089	128	617661	57.217	ug/l	100
96) 1,2,3-Trichlorobenzene	14.333	180	175368	60.838	ug/l	98

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

