

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110921\
 Data File : VU045648.D
 Acq On : 09 Nov 2021 10:19
 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 11/10/2021
 Supervised By : Mahesh Dadoda 11/16/2021

Quant Time: Nov 10 01:57:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U110521W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 05 13:35:16 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.375	168	146925	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	253098	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	242961	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	127066	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	94924	43.140	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	86.280%		
35) Dibromofluoromethane	5.292	113	73268	43.359	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	86.720%		
50) Toluene-d8	7.902	98	276311	43.974	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	87.940%#		
62) 4-Bromofluorobenzene	10.635	95	108746	43.159	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	86.320%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	91691	48.133	ug/l	100
3) Chloromethane	1.523	50	96698	44.365	ug/l	100
4) Vinyl Chloride	1.604	62	103910	48.940	ug/l	100
5) Bromomethane	1.845	94	63000	53.198	ug/l	98
6) Chloroethane	1.928	64	62399	45.033	ug/l	98
7) Trichlorofluoromethane	2.137	101	135640	48.311	ug/l	98
8) Diethyl Ether	2.378	74	55111	49.587	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.581	101	80351	49.011	ug/l	98
10) Methyl Iodide	2.722	142	88608	41.301	ug/l	92
11) Tert butyl alcohol	3.176	59	102683	235.769	ug/l	99
12) 1,1-Dichloroethene	2.581	96	76595	47.385	ug/l	96
13) Acrolein	2.485	56	13880	219.923	ug/l	99
14) Allyl chloride	2.925	41	138242	47.897	ug/l	98
15) Acrylonitrile	3.314	53	279634	240.483	ug/l	99
16) Acetone	2.623	43	297279	265.405	ug/l	100
17) Carbon Disulfide	2.793	76	200759	44.341	ug/l	99
18) Methyl Acetate	2.948	43	179151	46.959	ug/l	100
19) Methyl tert-butyl Ether	3.366	73	287755	49.455	ug/l	97
20) Methylene Chloride	3.047	84	92012	47.276	ug/l	98
21) trans-1,2-Dichloroethene	3.356	96	84067	49.991	ug/l	94
22) Diisopropyl ether	3.996	45	282376	49.826	ug/l	94
23) Vinyl Acetate	3.957	43	1101532	252.719	ug/l	100
24) 1,1-Dichloroethane	3.874	63	165129	48.896	ug/l	99
25) 2-Butanone	4.700	43	395425	254.533	ug/l	99
26) 2,2-Dichloropropane	4.668	77	140816	50.319	ug/l	98
27) cis-1,2-Dichloroethene	4.671	96	97838	49.535	ug/l	99
28) Bromochloromethane	4.976	49	69024	42.871	ug/l	96
29) Tetrahydrofuran	5.050	42	227319	239.216	ug/l	100
30) Chloroform	5.092	83	165542	49.564	ug/l	98
31) Cyclohexane	5.391	56	147862	46.055	ug/l	97
32) 1,1,1-Trichloroethane	5.320	97	141856	49.805	ug/l	97
36) 1,1-Dichloropropene	5.529	75	121137	49.085	ug/l	99
37) Ethyl Acetate	4.803	43	136715	48.226	ug/l	99
38) Carbon Tetrachloride	5.529	117	119966	48.217	ug/l	98
39) Methylcyclohexane	6.767	83	149826	49.486	ug/l	97
40) Benzene	5.777	78	352957	48.307	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.973	41	76271	50.910	ug/l	98
42) 1,2-Dichloroethane	5.796	62	131236	49.726	ug/l	99
43) Isopropyl Acetate	5.912	43	212834	49.084	ug/l	99
44) Trichloroethene	6.545	130	88161	50.408	ug/l	98
45) 1,2-Dichloropropane	6.793	63	96751	50.044	ug/l	96
46) Dibromomethane	6.922	93	66377	49.551	ug/l	99
47) Bromodichloromethane	7.108	83	129126	50.802	ug/l	96
48) Methyl methacrylate	6.960	41	100434	50.323	ug/l	97
49) 1,4-Dioxane	6.963	88	50828	990.325	ug/l #	96
51) 4-Methyl-2-Pentanone	7.793	43	707855	247.472	ug/l	99
52) Toluene	7.973	92	225426	50.394	ug/l	99
53) t-1,3-Dichloropropene	8.214	75	147696	50.561	ug/l	98
54) cis-1,3-Dichloropropene	7.610	75	160998	51.890	ug/l	95
55) 1,1,2-Trichloroethane	8.404	97	93652	50.515	ug/l	99
56) Ethyl methacrylate	8.336	69	151752	45.847	ug/l	97
57) 1,3-Dichloropropane	8.578	76	164757	49.341	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.465	63	350398	205.296	ug/l	100
59) 2-Hexanone	8.687	43	561903	226.496	ug/l	99
60) Dibromochloromethane	8.815	129	98667	51.110	ug/l	100
61) 1,2-Dibromoethane	8.928	107	99366	49.973	ug/l	99
64) Tetrachloroethene	8.558	164	72428	51.939	ug/l	99
65) Chlorobenzene	9.449	112	238390	49.952	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.539	131	85066	49.978	ug/l	100
67) Ethyl Benzene	9.574	91	441122	51.615	ug/l	100
68) m/p-Xylenes	9.696	106	340492	105.639	ug/l	99
69) o-Xylene	10.105	106	164313	52.436	ug/l	100
70) Styrene	10.118	104	280171	52.850	ug/l	99
71) Bromoform	10.295	173	72654	45.401	ug/l #	100
73) Isopropylbenzene	10.487	105	439788	52.971	ug/l	99
74) N-amyl acetate	10.323	43	190746	50.928	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.786	83	159599	48.519	ug/l	100
76) 1,2,3-Trichloropropane	10.828	75	129115m	33.507	ug/l	
77) Bromobenzene	10.786	156	102399	50.799	ug/l	97
78) n-propylbenzene	10.909	91	536336	51.904	ug/l	100
79) 2-Chlorotoluene	10.989	91	312402	51.172	ug/l	98
80) 1,3,5-Trimethylbenzene	11.092	105	378808	52.222	ug/l	100
81) trans-1,4-Dichloro-2-b...	10.549	75	51705	44.318	ug/l	96
82) 4-Chlorotoluene	11.098	91	367097	51.273	ug/l	99
83) tert-Butylbenzene	11.423	119	361565	52.289	ug/l	98
84) 1,2,4-Trimethylbenzene	11.471	105	381035	52.853	ug/l	100
85) sec-Butylbenzene	11.648	105	475069	51.803	ug/l	100
86) p-Isopropyltoluene	11.796	119	399535	52.135	ug/l	100
87) 1,3-Dichlorobenzene	11.748	146	199939	49.160	ug/l	99
88) 1,4-Dichlorobenzene	11.841	146	202983	49.346	ug/l	99
89) n-Butylbenzene	12.211	91	381771	51.716	ug/l	99
90) Hexachloroethane	12.481	117	67843	49.074	ug/l	97
91) 1,2-Dichlorobenzene	12.214	146	196465	49.650	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.999	75	37814	48.719	ug/l	95
93) 1,2,4-Trichlorobenzene	13.844	180	136641	49.942	ug/l	98
94) Hexachlorobutadiene	14.024	225	51581	43.675	ug/l	98
95) Naphthalene	14.089	128	488264	47.522	ug/l	99
96) 1,2,3-Trichlorobenzene	14.333	180	137968	50.769	ug/l	100

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

