

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092821\
 Data File : VU044983.D
 Acq On : 29 Sep 2021 09:00
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: Sep 29 09:15:44 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	5.382	168	155294	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	288820	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	279198	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	142292	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	130717	50.566	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.140%			
35) Dibromofluoromethane	5.295	113	91903	50.441	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.880%			
50) Toluene-d8	7.902	98	367879	51.102	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.200%			
62) 4-Bromofluorobenzene	10.639	95	141398	47.575	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.160%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	89534	46.559	ug/l	99
3) Chloromethane	1.523	50	109150	43.819	ug/l	98
4) Vinyl Chloride	1.607	62	120991	48.646	ug/l	99
5) Bromomethane	1.851	94	78582	80.547	ug/l	99
6) Chloroethane	1.935	64	78076	40.863	ug/l	99
7) Trichlorofluoromethane	2.141	101	156156	47.543	ug/l	99
8) Diethyl Ether	2.382	74	71620	47.580	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.584	101	89216	47.761	ug/l	98
10) Methyl Iodide	2.726	142	89731	45.007	ug/l	97
11) Tert butyl alcohol	3.179	59	129403	174.415	ug/l	100
12) 1,1-Dichloroethene	2.584	96	90408	49.103	ug/l	96
13) Acrolein	2.488	56	35515	245.564	ug/l	97
14) Allyl chloride	2.928	41	152531	44.765	ug/l	96
15) Acrylonitrile	3.317	53	352909	235.856	ug/l	99
16) Acetone	2.626	43	306715	199.887	ug/l	99
17) Carbon Disulfide	2.797	76	258326	47.529	ug/l	100
18) Methyl Acetate	2.951	43	209185	46.644	ug/l	97
19) Methyl tert-butyl Ether	3.369	73	337765	47.522	ug/l	98
20) Methylene Chloride	3.051	84	109053	47.184	ug/l	95
21) trans-1,2-Dichloroethene	3.359	96	97642	48.478	ug/l	98
22) Diisopropyl ether	3.999	45	325649	46.812	ug/l	97
23) Vinyl Acetate	3.960	43	1350417	238.681	ug/l	98
24) 1,1-Dichloroethane	3.877	63	192050	48.090	ug/l	100
25) 2-Butanone	4.706	43	471942	216.479	ug/l	98
26) 2,2-Dichloropropane	4.671	77	95566	28.305	ug/l	94
27) cis-1,2-Dichloroethene	4.674	96	114396	48.089	ug/l	94
28) Bromochloromethane	4.980	49	84691	51.166	ug/l	95
29) Tetrahydrofuran	5.054	42	303786	234.086	ug/l	94
30) Chloroform	5.095	83	191716	47.631	ug/l	99
31) Cyclohexane	5.394	56	176501	44.949	ug/l	96
32) 1,1,1-Trichloroethane	5.324	97	160180	48.231	ug/l	99
36) 1,1-Dichloropropene	5.533	75	143919	47.649	ug/l	99
37) Ethyl Acetate	4.806	43	180932	45.275	ug/l	97
38) Carbon Tetrachloride	5.533	117	125029	47.838	ug/l	98
39) Methylcyclohexane	6.767	83	171436	46.236	ug/l	97
40) Benzene	5.780	78	419375	46.619	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.976	41	95123	46.236	ug/l	96
42) 1,2-Dichloroethane	5.800	62	164538	46.536	ug/l	100
43) Isopropyl Acetate	5.915	43	273185	45.438	ug/l	99
44) Trichloroethene	6.549	130	101632	47.918	ug/l	96
45) 1,2-Dichloropropane	6.796	63	110780	46.449	ug/l	98
46) Dibromomethane	6.925	93	75978	47.290	ug/l	99
47) Bromodichloromethane	7.111	83	149513	47.928	ug/l	99
48) Methyl methacrylate	6.964	41	129632	44.297	ug/l	94
49) 1,4-Dioxane	6.967	88	42957	558.815	ug/l	94
51) 4-Methyl-2-Pentanone	7.796	43	930289	212.542	ug/l	98
52) Toluene	7.973	92	264964	47.062	ug/l	99
53) t-1,3-Dichloropropene	8.214	75	153610	43.060	ug/l	100
54) cis-1,3-Dichloropropene	7.613	75	166861	44.905	ug/l	99
55) 1,1,2-Trichloroethane	8.407	97	106886	45.563	ug/l	99
56) Ethyl methacrylate	8.336	69	183896	40.723	ug/l	98
57) 1,3-Dichloropropane	8.581	76	189420	45.244	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.468	63	278164	196.217	ug/l	98
59) 2-Hexanone	8.687	43	728021	204.253	ug/l	98
60) Dibromochloromethane	8.816	129	104858	42.498	ug/l	99
61) 1,2-Dibromoethane	8.928	107	114780	46.030	ug/l	99
64) Tetrachloroethene	8.558	164	90032	49.407	ug/l	99
65) Chlorobenzene	9.452	112	273631	46.746	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.539	131	92324	45.176	ug/l	99
67) Ethyl Benzene	9.574	91	514074	47.725	ug/l	99
68) m/p-Xylenes	9.700	106	390355	93.280	ug/l	97
69) o-Xylene	10.105	106	190384	45.840	ug/l	98
70) Styrene	10.118	104	324757	46.610	ug/l	98
71) Bromoform	10.298	173	76741	39.410	ug/l #	98
73) Isopropylbenzene	10.488	105	501901	47.365	ug/l	100
74) N-amyl acetate	10.324	43	229895	43.088	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.787	83	189117	41.248	ug/l	99
76) 1,2,3-Trichloropropane	10.828	75	173416m	41.783	ug/l	
77) Bromobenzene	10.787	156	114801	44.867	ug/l	100
78) n-propylbenzene	10.912	91	618856	47.925	ug/l	100
79) 2-Chlorotoluene	10.989	91	364434	45.024	ug/l	99
80) 1,3,5-Trimethylbenzene	11.092	105	434928	46.853	ug/l	100
81) trans-1,4-Dichloro-2-b...	10.552	75	52248	34.936	ug/l	99
82) 4-Chlorotoluene	11.102	91	425113	46.466	ug/l	100
83) tert-Butylbenzene	11.426	119	397043	43.974	ug/l	98
84) 1,2,4-Trimethylbenzene	11.471	105	434021	47.260	ug/l	100
85) sec-Butylbenzene	11.648	105	546299	46.983	ug/l	100
86) p-Isopropyltoluene	11.799	119	445579	47.639	ug/l	99
87) 1,3-Dichlorobenzene	11.751	146	221461	45.196	ug/l	100
88) 1,4-Dichlorobenzene	11.841	146	223566	44.601	ug/l	99
89) n-Butylbenzene	12.214	91	423796	49.194	ug/l	99
90) Hexachloroethane	12.481	117	74363	44.028	ug/l	96
91) 1,2-Dichlorobenzene	12.217	146	220658	44.053	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	13.002	75	49112	45.398	ug/l	97
93) 1,2,4-Trichlorobenzene	13.844	180	135264	48.457	ug/l	99
94) Hexachlorobutadiene	14.028	225	51127	43.876	ug/l	98
95) Naphthalene	14.092	128	486492	46.338	ug/l	100
96) 1,2,3-Trichlorobenzene	14.336	180	132245	47.172	ug/l	99

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

