

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111121\
 Data File : VU045754.D
 Acq On : 11 Nov 2021 21:14
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/12/2021
 Supervised By : Mahesh Dadoda 11/17/2021

Quant Time: Nov 12 06:15:14 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	107619	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	195896	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	188340	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	98024	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	74027	45.931	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.860%		
35) Dibromofluoromethane	5.292	113	57545	43.998	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	88.000%		
50) Toluene-d8	7.899	98	217195	44.659	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	89.320%#		
62) 4-Bromofluorobenzene	10.636	95	83814	42.977	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	85.960%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	62057	44.475	ug/l	98
3) Chloromethane	1.520	50	68714	43.040	ug/l	100
4) Vinyl Chloride	1.604	62	71780	46.155	ug/l	100
5) Bromomethane	1.842	94	45874	52.884	ug/l	99
6) Chloroethane	1.925	64	43047	42.413	ug/l	100
7) Trichlorofluoromethane	2.134	101	98123	47.713	ug/l	99
8) Diethyl Ether	2.375	74	39399	48.398	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.578	101	56918	47.398	ug/l	98
10) Methyl Iodide	2.723	142	60591	38.557	ug/l	93
11) Tert butyl alcohol	3.179	59	84001	263.317	ug/l	100
12) 1,1-Dichloroethene	2.578	96	55228	46.645	ug/l	98
13) Acrolein	2.485	56	13151	284.476	ug/l	97
14) Allyl chloride	2.922	41	98320	46.506	ug/l	96
15) Acrylonitrile	3.314	53	217642	255.531	ug/l	98
16) Acetone	2.626	43	170549	207.874	ug/l	97
17) Carbon Disulfide	2.793	76	136972	41.302	ug/l	99
18) Methyl Acetate	2.948	43	139866	50.052	ug/l	99
19) Methyl tert-butyl Ether	3.366	73	214442	50.316	ug/l	99
20) Methylene Chloride	3.044	84	67937	47.655	ug/l	99
21) trans-1,2-Dichloroethene	3.353	96	59522	48.322	ug/l	99
22) Diisopropyl ether	3.996	45	207607	50.013	ug/l	92
23) Vinyl Acetate	3.957	43	805399	252.266	ug/l	99
24) 1,1-Dichloroethane	3.871	63	122918	49.691	ug/l	100
25) 2-Butanone	4.700	43	280762	246.732	ug/l	98
26) 2,2-Dichloropropane	4.668	77	86598	42.247	ug/l	99
27) cis-1,2-Dichloroethene	4.668	96	70741	48.897	ug/l	99
28) Bromochloromethane	4.977	49	56585	47.982	ug/l	97
29) Tetrahydrofuran	5.051	42	176658	253.801	ug/l	98
30) Chloroform	5.092	83	124551	50.911	ug/l	100
31) Cyclohexane	5.391	56	101602	43.204	ug/l	97
32) 1,1,1-Trichloroethane	5.317	97	105216	50.433	ug/l	97
36) 1,1-Dichloropropene	5.530	75	86941	45.516	ug/l	98
37) Ethyl Acetate	4.803	43	105664	48.156	ug/l	98
38) Carbon Tetrachloride	5.526	117	90470	46.980	ug/l	99
39) Methylcyclohexane	6.764	83	102140	43.587	ug/l	96
40) Benzene	5.777	78	256865	45.421	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.973	41	57391	49.494	ug/l	98
42) 1,2-Dichloroethane	5.797	62	97912	47.932	ug/l	100
43) Isopropyl Acetate	5.912	43	159340	47.478	ug/l	98
44) Trichloroethene	6.546	130	66395	49.048	ug/l	98
45) 1,2-Dichloropropane	6.793	63	72430	48.404	ug/l	100
46) Dibromomethane	6.922	93	50008	48.232	ug/l	99
47) Bromodichloromethane	7.108	83	99259	50.455	ug/l	99
48) Methyl methacrylate	6.960	41	75499	48.876	ug/l	97
49) 1,4-Dioxane	6.964	88	40087	1009.117	ug/l #	98
51) 4-Methyl-2-Pentanone	7.793	43	546255	246.741	ug/l	100
52) Toluene	7.973	92	165565	47.820	ug/l	99
53) t-1,3-Dichloropropene	8.211	75	104460	46.202	ug/l	100
54) cis-1,3-Dichloropropene	7.610	75	114898	47.845	ug/l	96
55) 1,1,2-Trichloroethane	8.401	97	71230	49.640	ug/l	98
56) Ethyl methacrylate	8.337	69	110580	43.305	ug/l	96
57) 1,3-Dichloropropane	8.578	76	124992	48.363	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.465	63	272466	206.250	ug/l	98
59) 2-Hexanone	8.684	43	422109	220.052	ug/l	99
60) Dibromochloromethane	8.812	129	74375	49.777	ug/l	100
61) 1,2-Dibromoethane	8.925	107	74518	48.420	ug/l	99
64) Tetrachloroethene	8.555	164	56692	52.445	ug/l	97
65) Chlorobenzene	9.449	112	174387	47.138	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.536	131	63778	48.338	ug/l	98
67) Ethyl Benzene	9.574	91	318645	48.097	ug/l	99
68) m/p-Xylenes	9.697	106	246135	98.511	ug/l	100
69) o-Xylene	10.102	106	119067	49.017	ug/l	100
70) Styrene	10.118	104	207491	50.491	ug/l	98
71) Bromoform	10.295	173	54832	44.283	ug/l #	99
73) Isopropylbenzene	10.488	105	318882	49.788	ug/l	100
74) N-amyl acetate	10.320	43	134950	46.706	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.787	83	121888	48.033	ug/l	100
76) 1,2,3-Trichloropropane	10.825	75	101528m	34.154	ug/l	
77) Bromobenzene	10.783	156	74610	47.979	ug/l	97
78) n-propylbenzene	10.909	91	383758	48.142	ug/l	99
79) 2-Chlorotoluene	10.989	91	227709	48.350	ug/l	99
80) 1,3,5-Trimethylbenzene	11.089	105	274270	49.012	ug/l	100
81) trans-1,4-Dichloro-2-b...	10.549	75	33692	37.900	ug/l	96
82) 4-Chlorotoluene	11.099	91	265215	48.018	ug/l	98
83) tert-Butylbenzene	11.423	119	261432	49.009	ug/l	99
84) 1,2,4-Trimethylbenzene	11.468	105	275309	49.502	ug/l	99
85) sec-Butylbenzene	11.645	105	344077	48.635	ug/l	100
86) p-Isopropyltoluene	11.796	119	284155	48.065	ug/l	99
87) 1,3-Dichlorobenzene	11.748	146	147090	46.880	ug/l	99
88) 1,4-Dichlorobenzene	11.838	146	147560	46.501	ug/l	99
89) n-Butylbenzene	12.211	91	261425	45.905	ug/l	99
90) Hexachloroethane	12.478	117	47383	44.429	ug/l	99
91) 1,2-Dichlorobenzene	12.214	146	145190	47.563	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.999	75	28393	47.420	ug/l	97
93) 1,2,4-Trichlorobenzene	13.841	180	96797	45.861	ug/l	99
94) Hexachlorobutadiene	14.024	225	39657	43.527	ug/l	98
95) Naphthalene	14.089	128	360607	45.540	ug/l	99
96) 1,2,3-Trichlorobenzene	14.330	180	100202	47.797	ug/l	98

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

