

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121421\
 Data File : VX025791.D
 Acq On : 14 Dec 2021 20:51
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/15/2021
 Supervised By : Mahesh Dadoda 12/21/2021

Quant Time: Dec 15 07:10:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 14 07:02:11 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	122340	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	201502	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	193866	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98716	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	78187	44.418	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	88.840%		
35) Dibromofluoromethane	5.391	113	66774	47.516	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.040%		
50) Toluene-d8	8.653	98	243768	47.609	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.220%		
62) 4-Bromofluorobenzene	11.079	95	93687	48.168	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.340%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	54588	49.892	ug/l	96
3) Chloromethane	1.294	50	61777	43.361	ug/l	96
4) Vinyl Chloride	1.373	62	66444	43.845	ug/l	99
5) Bromomethane	1.599	94	43529	40.227	ug/l	99
6) Chloroethane	1.678	64	45294	41.266	ug/l	99
7) Trichlorofluoromethane	1.886	101	108676	43.415	ug/l	97
8) Diethyl Ether	2.135	74	39348	39.849	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.324	101	57744	44.329	ug/l	99
10) Methyl Iodide	2.452	142	75653	45.581	ug/l	99
11) Tert butyl alcohol	2.971	59	69278	196.200	ug/l	99
12) 1,1-Dichloroethene	2.318	96	55998	43.237	ug/l	99
13) Acrolein	2.239	56	51683	214.138	ug/l	100
14) Allyl chloride	2.666	41	95426	40.371	ug/l	98
15) Acrylonitrile	3.068	53	177732	215.615	ug/l	99
16) Acetone	2.379	43	153831	197.578	ug/l	98
17) Carbon Disulfide	2.513	76	148590	40.053	ug/l	99
18) Methyl Acetate	2.702	43	113779	42.410	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	197883	43.258	ug/l	98
20) Methylene Chloride	2.788	84	65496	43.171	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	63291	43.788	ug/l	97
22) Diisopropyl ether	3.769	45	199052	43.413	ug/l #	87
23) Vinyl Acetate	3.727	43	775838	218.663	ug/l	99
24) 1,1-Dichloroethane	3.611	63	111108	42.440	ug/l	98
25) 2-Butanone	4.562	43	252839	213.563	ug/l	98
26) 2,2-Dichloropropane	4.476	77	72830	36.678	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	74388	43.404	ug/l	97
28) Bromochloromethane	4.897	49	52402	44.417	ug/l	98
29) Tetrahydrofuran	5.007	42	163013	216.564	ug/l	99
30) Chloroform	5.098	83	121412	42.285	ug/l	100
31) Cyclohexane	5.476	56	100269	46.841	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	105985	42.411	ug/l	99
36) 1,1-Dichloropropene	5.696	75	86260	45.263	ug/l	98
37) Ethyl Acetate	4.720	43	94895	44.819	ug/l	100
38) Carbon Tetrachloride	5.684	117	93620	42.221	ug/l	99
39) Methylcyclohexane	7.385	83	103406	48.493	ug/l	99
40) Benzene	6.043	78	258078	45.398	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	52326	44.655	ug/l	98
42) 1,2-Dichloroethane	6.092	62	94935	43.939	ug/l	99
43) Isopropyl Acetate	6.348	43	146238	42.870	ug/l	99
44) Trichloroethene	7.128	130	73602	46.505	ug/l	98
45) 1,2-Dichloropropane	7.433	63	62357	43.519	ug/l	100
46) Dibromomethane	7.586	93	48325	43.322	ug/l	98
47) Bromodichloromethane	7.823	83	92234	41.952	ug/l	97
48) Methyl methacrylate	7.695	41	72027	44.838	ug/l	100
49) 1,4-Dioxane	7.659	88	33265	948.548	ug/l	98
51) 4-Methyl-2-Pentanone	8.579	43	506901	226.998	ug/l	100
52) Toluene	8.720	92	171468	47.338	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	89619	42.765	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	100535	43.845	ug/l	99
55) 1,1,2-Trichloroethane	9.152	97	69539	44.767	ug/l	98
56) Ethyl methacrylate	9.122	69	102800	46.081	ug/l	98
57) 1,3-Dichloropropane	9.311	76	112477	44.144	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	237626	220.075	ug/l	99
59) 2-Hexanone	9.433	43	386226	228.274	ug/l	99
60) Dibromochloromethane	9.524	129	74533	42.276	ug/l	99
61) 1,2-Dibromoethane	9.610	107	74942	44.495	ug/l	99
64) Tetrachloroethene	9.274	164	73331	47.420	ug/l	98
65) Chlorobenzene	10.079	112	185612	45.931	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	69008	43.730	ug/l	100
67) Ethyl Benzene	10.195	91	327988	47.996	ug/l	100
68) m/p-Xylenes	10.305	106	258594	97.249	ug/l	100
69) o-Xylene	10.646	106	127359	48.687	ug/l	98
70) Styrene	10.658	104	212589	48.838	ug/l	99
71) Bromoform	10.799	173	53845	41.421	ug/l #	99
73) Isopropylbenzene	10.963	105	329078	45.932	ug/l	99
74) N-amyl acetate	10.847	43	128147	44.470	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	105770	42.359	ug/l	96
76) 1,2,3-Trichloropropane	11.244	75	94149m	41.627	ug/l	
77) Bromobenzene	11.201	156	83894	45.651	ug/l	97
78) n-propylbenzene	11.305	91	379219	46.795	ug/l	100
79) 2-Chlorotoluene	11.366	91	226914	44.033	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	278056	46.795	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	26091	35.764	ug/l	93
82) 4-Chlorotoluene	11.457	91	257666	44.652	ug/l	100
83) tert-Butylbenzene	11.719	119	271008	46.531	ug/l	99
84) 1,2,4-Trimethylbenzene	11.756	105	279390	47.068	ug/l	100
85) sec-Butylbenzene	11.890	105	345294	49.324	ug/l	100
86) p-Isopropyltoluene	12.012	119	284287	48.355	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	155504	45.415	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	155722	44.545	ug/l	99
89) n-Butylbenzene	12.335	91	235459	48.012	ug/l	98
90) Hexachloroethane	12.542	117	44721	38.704	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	150627	46.064	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	22338	39.810	ug/l	94
93) 1,2,4-Trichlorobenzene	13.591	180	86905	44.503	ug/l	99
94) Hexachlorobutadiene	13.725	225	35220	50.635	ug/l	99
95) Naphthalene	13.774	128	298254	44.509	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	87739	45.282	ug/l	100

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

