

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121321\
 Data File : VX025763.D
 Acq On : 13 Dec 2021 20:51
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/14/2021
 Supervised By : Mahesh Dadoda 12/17/2021

Quant Time: Dec 14 06:34:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 14 06:31:32 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	102583	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	179317	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	173103	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	86953	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	75200	64.325	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 128.660%#			
35) Dibromofluoromethane	5.391	113	63847	56.086	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.180%			
50) Toluene-d8	8.653	98	226520	53.712	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 107.420%			
62) 4-Bromofluorobenzene	11.085	95	86134	53.652	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.300%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	43797	50.480	ug/l	100
3) Chloromethane	1.295	50	61231	54.874	ug/l	100
4) Vinyl Chloride	1.374	62	62203	51.662	ug/l	100
5) Bromomethane	1.599	94	45216	75.927	ug/l	100
6) Chloroethane	1.679	64	43291	51.194	ug/l	100
7) Trichlorofluoromethane	1.886	101	97476	53.826	ug/l	100
8) Diethyl Ether	2.136	74	42338	55.808	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.325	101	50572	52.449	ug/l	100
10) Methyl Iodide	2.453	142	75719	61.316	ug/l	100
11) Tert butyl alcohol	2.971	59	70716	241.702	ug/l	100
12) 1,1-Dichloroethene	2.319	96	53359	55.071	ug/l	100
13) Acrolein	2.240	56	47412	614.227	ug/l	100
14) Allyl chloride	2.666	41	99179	55.849	ug/l	100
15) Acrylonitrile	3.069	53	180592	299.614	ug/l	100
16) Acetone	2.380	43	181273	291.980	ug/l	100
17) Carbon Disulfide	2.514	76	149483	54.554	ug/l	100
18) Methyl Acetate	2.709	43	119449	59.506	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	204477	59.273	ug/l	100
20) Methylene Chloride	2.788	84	68292	57.777	ug/l	100
21) trans-1,2-Dichloroethene	3.093	96	61983	57.541	ug/l	100
22) Diisopropyl ether	3.764	45	203411	59.513	ug/l	100
23) Vinyl Acetate	3.727	43	816719	298.291	ug/l	100
24) 1,1-Dichloroethane	3.611	63	112676	60.226	ug/l	100
25) 2-Butanone	4.562	43	265352	295.117	ug/l	100
26) 2,2-Dichloropropane	4.483	77	82428	50.634	ug/l	100
27) cis-1,2-Dichloroethene	4.495	96	73401	58.263	ug/l	100
28) Bromochloromethane	4.904	49	54370	62.100	ug/l	100
29) Tetrahydrofuran	5.007	42	167527	298.783	ug/l	100
30) Chloroform	5.099	83	122942	62.532	ug/l	100
31) Cyclohexane	5.471	56	84640	50.395	ug/l	100
32) 1,1,1-Trichloroethane	5.391	97	105141	59.220	ug/l	100
36) 1,1-Dichloropropene	5.696	75	82450	52.070	ug/l	100
37) Ethyl Acetate	4.721	43	98391	54.157	ug/l	100
38) Carbon Tetrachloride	5.684	117	93650	53.538	ug/l	100
39) Methylcyclohexane	7.385	83	84263	43.189	ug/l	100
40) Benzene	6.044	78	258272	53.535	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	53137	52.669	ug/l	100
42) 1,2-Dichloroethane	6.092	62	98902	61.189	ug/l	100
43) Isopropyl Acetate	6.342	43	156718	52.281	ug/l	100
44) Trichloroethene	7.129	130	69505	50.386	ug/l	100
45) 1,2-Dichloropropane	7.434	63	64900	54.731	ug/l	100
46) Dibromomethane	7.586	93	50457	57.788	ug/l	100
47) Bromodichloromethane	7.824	83	100697	58.493	ug/l	100
48) Methyl methacrylate	7.696	41	75075	53.047	ug/l	100
49) 1,4-Dioxane	7.659	88	33157	1110.731	ug/l	100
51) 4-Methyl-2-Pentanone	8.580	43	515926	272.631	ug/l	100
52) Toluene	8.720	92	168591	53.609	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	101629	54.104	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	107820	53.168	ug/l	100
55) 1,1,2-Trichloroethane	9.153	97	70352	55.859	ug/l	100
56) Ethyl methacrylate	9.122	69	106327	52.643	ug/l	100
57) 1,3-Dichloropropane	9.311	76	116628	55.776	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.245	63	227861	245.145	ug/l	100
59) 2-Hexanone	9.433	43	398012	268.522	ug/l	100
60) Dibromochloromethane	9.525	129	83655	57.326	ug/l	100
61) 1,2-Dibromoethane	9.610	107	76463	55.952	ug/l	100
64) Tetrachloroethene	9.275	164	67918	47.939	ug/l	100
65) Chlorobenzene	10.080	112	182996	51.475	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	72529	52.930	ug/l	100
67) Ethyl Benzene	10.195	91	317170	51.734	ug/l	100
68) m/p-Xylenes	10.305	106	252635	101.072	ug/l	100
69) o-Xylene	10.647	106	124084	50.739	ug/l	100
70) Styrene	10.659	104	212789	52.401	ug/l	100
71) Bromoform	10.805	173	61915	52.331	ug/l #	100
73) Isopropylbenzene	10.964	105	308310	49.581	ug/l	100
74) N-amyl acetate	10.848	43	131756	49.139	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.214	83	108967	53.317	ug/l	100
76) 1,2,3-Trichloropropane	11.244	75	97372m	53.817	ug/l	
77) Bromobenzene	11.201	156	81141	50.632	ug/l	100
78) n-propylbenzene	11.305	91	353013	50.652	ug/l	100
79) 2-Chlorotoluene	11.366	91	222013	51.678	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	265022	50.503	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	32996	47.358	ug/l	100
82) 4-Chlorotoluene	11.457	91	255726	52.164	ug/l	100
83) tert-Butylbenzene	11.720	119	250581	47.511	ug/l	100
84) 1,2,4-Trimethylbenzene	11.756	105	270666	52.043	ug/l	100
85) sec-Butylbenzene	11.896	105	306328	47.936	ug/l	100
86) p-Isopropyltoluene	12.012	119	260678	47.542	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	150314	50.504	ug/l	100
88) 1,4-Dichlorobenzene	12.043	146	152160	50.270	ug/l	100
89) n-Butylbenzene	12.335	91	211343	45.987	ug/l	100
90) Hexachloroethane	12.543	117	49751	48.939	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	148810	51.098	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	25517	59.164	ug/l	100
93) 1,2,4-Trichlorobenzene	13.591	180	80356	48.370	ug/l	100
94) Hexachlorobutadiene	13.725	225	28514	36.539	ug/l	100
95) Naphthalene	13.780	128	295196	56.108	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	82161	50.066	ug/l	100

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

