

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102622\
 Data File : VX032402.D
 Acq On : 26 Oct 2022 14:12
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/27/2022
 Supervised By : Mahesh Dadoda 10/31/2022

Quant Time: Oct 27 07:01:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 06:59:10 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	127964	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	198876	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	182329	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99058	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	84475	47.510	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.020%		
35) Dibromofluoromethane	5.385	113	68908	48.575	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.140%		
50) Toluene-d8	8.653	98	242561	49.173	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.340%		
62) 4-Bromofluorobenzene	11.079	95	96999	50.340	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.680%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	78709	53.330	ug/l	100
3) Chloromethane	1.294	50	63992	51.270	ug/l	100
4) Vinyl Chloride	1.374	62	71839	52.298	ug/l	100
5) Bromomethane	1.605	94	56476	51.447	ug/l	100
6) Chloroethane	1.685	64	43674	47.393	ug/l	100
7) Trichlorofluoromethane	1.886	101	130726	50.225	ug/l	100
8) Diethyl Ether	2.130	74	41453	49.146	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	67017	48.784	ug/l	100
10) Methyl Iodide	2.453	142	76485	53.566	ug/l	100
11) Tert butyl alcohol	2.965	59	63937	247.066	ug/l	100
12) 1,1-Dichloroethene	2.319	96	63562	49.530	ug/l	100
13) Acrolein	2.233	56	61814	239.263	ug/l	100
14) Allyl chloride	2.666	41	102565	50.137	ug/l	100
15) Acrylonitrile	3.062	53	168045	239.265	ug/l	100
16) Acetone	2.380	43	148504	229.800	ug/l	100
17) Carbon Disulfide	2.514	76	156790	51.295	ug/l	100
18) Methyl Acetate	2.703	43	103724	49.358	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	217644	48.253	ug/l	100
20) Methylene Chloride	2.788	84	68847	46.465	ug/l	100
21) trans-1,2-Dichloroethene	3.093	96	67868	48.585	ug/l	100
22) Diisopropyl ether	3.763	45	213380	48.223	ug/l	100
23) Vinyl Acetate	3.721	43	887644	248.299	ug/l	100
24) 1,1-Dichloroethane	3.611	63	124473	48.906	ug/l	100
25) 2-Butanone	4.556	43	240078	239.792	ug/l	100
26) 2,2-Dichloropropane	4.477	77	100930	49.887	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	80474	49.840	ug/l	100
28) Bromochloromethane	4.904	49	42262	46.617	ug/l	100
29) Tetrahydrofuran	5.001	42	155450	243.471	ug/l	100
30) Chloroform	5.099	83	135481	48.511	ug/l	100
31) Cyclohexane	5.470	56	108822	50.478	ug/l	100
32) 1,1,1-Trichloroethane	5.385	97	125084	49.911	ug/l	100
36) 1,1-Dichloropropene	5.696	75	98279	49.750	ug/l	100
37) Ethyl Acetate	4.715	43	95867	46.622	ug/l	100
38) Carbon Tetrachloride	5.684	117	111179	50.742	ug/l	100
39) Methylcyclohexane	7.385	83	120718	51.649	ug/l	100
40) Benzene	6.037	78	279178	49.940	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	52058	49.697	ug/l	100
42) 1,2-Dichloroethane	6.086	62	113880	49.834	ug/l	100
43) Isopropyl Acetate	6.342	43	159885	50.641	ug/l	100
44) Trichloroethene	7.129	130	77320	49.133	ug/l	100
45) 1,2-Dichloropropane	7.434	63	70928	49.426	ug/l	100
46) Dibromomethane	7.580	93	54263	49.306	ug/l	100
47) Bromodichloromethane	7.824	83	104392	50.049	ug/l	100
48) Methyl methacrylate	7.696	41	81874	50.211	ug/l	100
49) 1,4-Dioxane	7.671	88	31629	1017.829	ug/l	100
51) 4-Methyl-2-Pentanone	8.574	43	499720	251.284	ug/l	100
52) Toluene	8.720	92	183471	50.304	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	111164	52.235	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	116481	51.173	ug/l	100
55) 1,1,2-Trichloroethane	9.153	97	74363	48.413	ug/l	100
56) Ethyl methacrylate	9.116	69	115265	52.146	ug/l	100
57) 1,3-Dichloropropane	9.311	76	122347	49.324	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	275136	258.504	ug/l	100
59) 2-Hexanone	9.433	43	376216	254.956	ug/l	100
60) Dibromochloromethane	9.525	129	84316	50.256	ug/l	100
61) 1,2-Dibromoethane	9.610	107	81290	49.947	ug/l	100
64) Tetrachloroethene	9.275	164	65927	49.401	ug/l	100
65) Chlorobenzene	10.079	112	198472	48.594	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	76246	49.602	ug/l	100
67) Ethyl Benzene	10.195	91	365741	50.077	ug/l	100
68) m/p-Xylenes	10.305	106	285248	100.579	ug/l	100
69) o-Xylene	10.640	106	138891	50.370	ug/l	100
70) Styrene	10.659	104	233286	50.907	ug/l	100
71) Bromoform	10.799	173	62724	51.610	ug/l #	100
73) Isopropylbenzene	10.963	105	375313	47.813	ug/l	100
74) N-amyl acetate	10.841	43	148322	50.009	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	118992	47.227	ug/l	100
76) 1,2,3-Trichloropropane	11.244	75	107990m	51.901	ug/l	100
77) Bromobenzene	11.201	156	90349	46.949	ug/l	100
78) n-propylbenzene	11.305	91	438857	48.526	ug/l	100
79) 2-Chlorotoluene	11.366	91	260119	48.027	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	330558	49.273	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	34805	50.254	ug/l	100
82) 4-Chlorotoluene	11.457	91	306933	48.431	ug/l	100
83) tert-Butylbenzene	11.713	119	325551	48.606	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	328998	49.307	ug/l	100
85) sec-Butylbenzene	11.890	105	401094	49.769	ug/l	100
86) p-Isopropyltoluene	12.012	119	343723	50.263	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	174055	47.948	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	177765	47.206	ug/l	100
89) n-Butylbenzene	12.335	91	301275	50.640	ug/l	100
90) Hexachloroethane	12.542	117	55602	49.778	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	173417	48.449	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	27577	49.919	ug/l	100
93) 1,2,4-Trichlorobenzene	13.591	180	109863	47.074	ug/l	100
94) Hexachlorobutadiene	13.725	225	45480	46.660	ug/l	100
95) Naphthalene	13.780	128	379970	48.861	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	111928	47.179	ug/l	100

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

