

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011723\
 Data File : VX033753.D
 Acq On : 17 Jan 2023 10:50
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/18/2023
 Supervised By : Mahesh Dadoda 01/18/2023

Quant Time: Jan 18 04:05:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 11 14:48:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	193583	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	269084	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	237059	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	125960	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	92407	45.336	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.680%		
35) Dibromofluoromethane	5.379	113	84634	50.653	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.300%		
50) Toluene-d8	8.647	98	309224	50.794	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	101.580%		
62) 4-Bromofluorobenzene	11.079	95	110801	49.020	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.040%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	73677	48.161	ug/l	99
3) Chloromethane	1.295	50	86328	51.089	ug/l	100
4) Vinyl Chloride	1.374	62	88187	53.776	ug/l	97
5) Bromomethane	1.618	94	51417	54.570	ug/l	100
6) Chloroethane	1.691	64	50167	49.482	ug/l	100
7) Trichlorofluoromethane	1.886	101	130940	49.236	ug/l	98
8) Diethyl Ether	2.130	74	47165	54.164	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	83619	54.494	ug/l	95
10) Methyl Iodide	2.453	142	120107	55.858	ug/l	92
11) Tert butyl alcohol	3.014	59	68512m	193.491	ug/l	
12) 1,1-Dichloroethene	2.319	96	79662	50.575	ug/l	91
13) Acrolein	2.240	56	90883	278.186	ug/l	99
14) Allyl chloride	2.666	41	143111	48.171	ug/l	89
15) Acrylonitrile	3.069	53	205722	220.763	ug/l	100
16) Acetone	2.398	43	199772	270.721	ug/l	89
17) Carbon Disulfide	2.514	76	195531	49.085	ug/l	99
18) Methyl Acetate	2.703	43	125372	44.074	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	263366	48.141	ug/l	97
20) Methylene Chloride	2.788	84	87925	49.591	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	86533	46.993	ug/l	98
22) Diisopropyl ether	3.751	45	279633	46.782	ug/l	93
23) Vinyl Acetate	3.715	43	1062818	236.194	ug/l	99
24) 1,1-Dichloroethane	3.605	63	153025	46.792	ug/l	100
25) 2-Butanone	4.562	43	287290	215.722	ug/l	98
26) 2,2-Dichloropropane	4.471	77	112567	48.053	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	100868	47.647	ug/l	98
28) Bromochloromethane	4.898	49	67884	45.570	ug/l	97
29) Tetrahydrofuran	5.007	42	180800	215.402	ug/l	99
30) Chloroform	5.093	83	157286	46.958	ug/l	100
31) Cyclohexane	5.471	56	142583	47.539	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	135261	47.298	ug/l	99
36) 1,1-Dichloropropene	5.690	75	118241	48.488	ug/l	99
37) Ethyl Acetate	4.715	43	110906	47.522	ug/l	100
38) Carbon Tetrachloride	5.672	117	124817	49.420	ug/l	99
39) Methylcyclohexane	7.379	83	152880	50.766	ug/l	96
40) Benzene	6.032	78	348285	49.000	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	64317	47.862	ug/l	99
42) 1,2-Dichloroethane	6.080	62	119292	47.359	ug/l	98
43) Isopropyl Acetate	6.330	43	181566	47.163	ug/l	98
44) Trichloroethene	7.123	130	102759	51.700	ug/l	98
45) 1,2-Dichloropropane	7.428	63	89062	50.020	ug/l	99
46) Dibromomethane	7.580	93	61118	49.143	ug/l	98
47) Bromodichloromethane	7.818	83	118503	49.442	ug/l	98
48) Methyl methacrylate	7.690	41	93639	48.286	ug/l	98
49) 1,4-Dioxane	7.732	88	37512	874.493	ug/l #	98
51) 4-Methyl-2-Pentanone	8.574	43	551946	233.451	ug/l	99
52) Toluene	8.714	92	226345	49.312	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	124256	51.839	ug/l	97
54) cis-1,3-Dichloropropene	8.360	75	141536	52.698	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	89004	48.986	ug/l	97
56) Ethyl methacrylate	9.116	69	131809	51.548	ug/l	98
57) 1,3-Dichloropropane	9.305	76	146587	49.755	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	302518	240.226	ug/l	98
59) 2-Hexanone	9.427	43	413327	251.173	ug/l	99
60) Dibromochloromethane	9.519	129	99077	52.598	ug/l	100
61) 1,2-Dibromoethane	9.610	107	94075	51.881	ug/l	98
64) Tetrachloroethene	9.275	164	92735	55.737	ug/l	97
65) Chlorobenzene	10.080	112	247930	50.520	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	94863	52.524	ug/l	98
67) Ethyl Benzene	10.189	91	430328	51.071	ug/l	99
68) m/p-Xylenes	10.299	106	339790	103.100	ug/l	100
69) o-Xylene	10.640	106	164929	50.461	ug/l	100
70) Styrene	10.653	104	275453	51.820	ug/l	100
71) Bromoform	10.799	173	77001	50.879	ug/l #	99
73) Isopropylbenzene	10.964	105	432940	52.352	ug/l	99
74) N-amyl acetate	10.842	43	154897	46.830	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.214	83	123012	50.816	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	100265m	43.324	ug/l	
77) Bromobenzene	11.195	156	114709	51.351	ug/l	99
78) n-propylbenzene	11.305	91	491692	47.838	ug/l	100
79) 2-Chlorotoluene	11.366	91	287394	51.870	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	360056	47.504	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	35355	47.478	ug/l	99
82) 4-Chlorotoluene	11.451	91	328622	51.818	ug/l	98
83) tert-Butylbenzene	11.713	119	366620	48.716	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	358719	50.033	ug/l	100
85) sec-Butylbenzene	11.890	105	453291	50.358	ug/l	100
86) p-Isopropyltoluene	12.006	119	398004	51.645	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	213861	50.248	ug/l	100
88) 1,4-Dichlorobenzene	12.043	146	212500	49.013	ug/l	99
89) n-Butylbenzene	12.329	91	332483	52.736	ug/l	100
90) Hexachloroethane	12.536	117	63871	50.384	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	206500	50.280	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	24918	48.479	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	149941	54.199	ug/l	100
94) Hexachlorobutadiene	13.725	225	72948	53.830	ug/l	99
95) Naphthalene	13.774	128	411787	51.738	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	145804	52.672	ug/l	99

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

