

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060523\
 Data File : VX036017.D
 Acq On : 05 Jun 2023 20:46
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/06/2023
 Supervised By : Mahesh Dadoda 06/06/2023

Quant Time: Jun 06 06:49:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X053123W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 31 12:50:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	182359	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	349373	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	324284	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	156257	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	135145	45.638	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.280%		
35) Dibromofluoromethane	5.385	113	93073	39.608	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	79.220%		
50) Toluene-d8	8.647	98	340881	40.420	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	80.840%#		
62) 4-Bromofluorobenzene	11.079	95	141858	42.610	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	85.220%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	99597	49.988	ug/l	99
3) Chloromethane	1.294	50	112949	49.597	ug/l	97
4) Vinyl Chloride	1.374	62	104031	48.631	ug/l	99
5) Bromomethane	1.617	94	62322	44.233	ug/l	96
6) Chloroethane	1.691	64	66866	53.085	ug/l	98
7) Trichlorofluoromethane	1.886	101	145619	48.376	ug/l	97
8) Diethyl Ether	2.130	74	65916	50.422	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	93314	49.948	ug/l	100
10) Methyl Iodide	2.453	142	98080	44.598	ug/l	98
11) Tert butyl alcohol	3.038	59	141534m	269.130	ug/l	
12) 1,1-Dichloroethene	2.319	96	89734	49.049	ug/l	95
13) Acrolein	2.245	56	128934	254.525	ug/l	99
14) Allyl chloride	2.666	41	186835	49.679	ug/l	99
15) Acrylonitrile	3.074	53	338712	274.128	ug/l	99
16) Acetone	2.404	43	312856	256.086	ug/l	98
17) Carbon Disulfide	2.514	76	199341	43.484	ug/l	100
18) Methyl Acetate	2.709	43	271853	57.239	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	386171	53.886	ug/l	100
20) Methylene Chloride	2.788	84	115047	48.887	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	99796	47.719	ug/l	96
22) Diisopropyl ether	3.757	45	398093	54.421	ug/l	95
23) Vinyl Acetate	3.721	43	1465857	285.220	ug/l	99
24) 1,1-Dichloroethane	3.611	63	213657	52.661	ug/l	99
25) 2-Butanone	4.574	43	483517	276.522	ug/l	99
26) 2,2-Dichloropropane	4.477	77	138079	44.649	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	123414	49.169	ug/l	100
28) Bromochloromethane	4.897	49	99112	46.649	ug/l	98
29) Tetrahydrofuran	5.019	42	318129	282.330	ug/l	99
30) Chloroform	5.092	83	227557	54.453	ug/l	98
31) Cyclohexane	5.470	56	159685	51.503	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	189952	53.790	ug/l	99
36) 1,1-Dichloropropene	5.690	75	149763	47.799	ug/l	99
37) Ethyl Acetate	4.721	43	192729	55.234	ug/l	99
38) Carbon Tetrachloride	5.678	117	151625	49.659	ug/l	93
39) Methylcyclohexane	7.379	83	154762	47.342	ug/l	98
40) Benzene	6.037	78	447728	47.613	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	110594	55.871	ug/l	99
42) 1,2-Dichloroethane	6.086	62	199871	53.673	ug/l	99
43) Isopropyl Acetate	6.336	43	309319	53.912	ug/l	100
44) Trichloroethene	7.123	130	115081	47.176	ug/l	99
45) 1,2-Dichloropropane	7.427	63	122650	49.555	ug/l	100
46) Dibromomethane	7.580	93	85987	50.014	ug/l	98
47) Bromodichloromethane	7.824	83	168121	51.985	ug/l	100
48) Methyl methacrylate	7.689	41	151158	53.723	ug/l	97
49) 1,4-Dioxane	7.757	88	63031	978.136	ug/l #	80
51) 4-Methyl-2-Pentanone	8.573	43	965145	275.583	ug/l	99
52) Toluene	8.720	92	291500	49.307	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	174390	51.010	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	188702	49.984	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	125948	51.134	ug/l	98
56) Ethyl methacrylate	9.116	69	196259	53.295	ug/l	96
57) 1,3-Dichloropropane	9.305	76	213616	50.394	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	486486	252.124	ug/l	98
59) 2-Hexanone	9.433	43	717199	276.996	ug/l	100
60) Dibromochloromethane	9.518	129	124069	51.888	ug/l	100
61) 1,2-Dibromoethane	9.610	107	130366	51.772	ug/l	100
64) Tetrachloroethene	9.275	164	92938	45.606	ug/l	97
65) Chlorobenzene	10.079	112	315662	48.242	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	117717	51.151	ug/l	97
67) Ethyl Benzene	10.195	91	564742	48.495	ug/l	100
68) m/p-Xylenes	10.299	106	433889	98.209	ug/l	96
69) o-Xylene	10.640	106	216465	48.758	ug/l	96
70) Styrene	10.652	104	369556	51.517	ug/l	97
71) Bromoform	10.799	173	83068	52.118	ug/l #	99
73) Isopropylbenzene	10.963	105	547197	48.190	ug/l	98
74) N-amyl acetate	10.841	43	256075	51.740	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	192935	49.671	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	183134m	51.964	ug/l	
77) Bromobenzene	11.195	156	132717	47.264	ug/l	98
78) n-propylbenzene	11.305	91	637061	49.709	ug/l	98
79) 2-Chlorotoluene	11.366	91	405114	48.537	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	475220	49.639	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	51568	49.286	ug/l	96
82) 4-Chlorotoluene	11.451	91	467866	48.839	ug/l	99
83) tert-Butylbenzene	11.713	119	453636	49.599	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	485997	49.465	ug/l	100
85) sec-Butylbenzene	11.890	105	540481	49.821	ug/l	98
86) p-Isopropyltoluene	12.006	119	463579	49.981	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	247922	48.199	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	251528	46.419	ug/l	100
89) n-Butylbenzene	12.329	91	386412	49.313	ug/l	99
90) Hexachloroethane	12.536	117	74196	50.446	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	247986	48.430	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	42077	52.492	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	137413	46.115	ug/l	99
94) Hexachlorobutadiene	13.725	225	49689	43.836	ug/l	95
95) Naphthalene	13.774	128	522718	50.400	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	139554	47.478	ug/l	100

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

