

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110923\
 Data File : VX038669.D
 Acq On : 09 Nov 2023 10:48
 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 11/10/2023
 Supervised By : Mahesh Dadoda 11/13/2023

Quant Time: Nov 10 03:32:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110723W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 08 03:19:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	341656	50.000	ug/l	#-0.01
34) 1,4-Difluorobenzene	6.757	114	511412	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	490890	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	284641	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	205172	48.236	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.480%		
35) Dibromofluoromethane	5.379	113	184252	50.023	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.040%		
50) Toluene-d8	8.647	98	669120	50.766	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	101.540%		
62) 4-Bromofluorobenzene	11.079	95	262748	51.416	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.840%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	190869	53.796	ug/l	99
3) Chloromethane	1.295	50	147963	48.248	ug/l	98
4) Vinyl Chloride	1.374	62	168668	51.664	ug/l	99
5) Bromomethane	1.599	94	127943	50.774	ug/l	98
6) Chloroethane	1.685	64	106073	51.314	ug/l	99
7) Trichlorofluoromethane	1.886	101	308418	54.797	ug/l	100
8) Diethyl Ether	2.130	74	99716	51.609	ug/l	75
9) 1,1,2-Trichlorotrifluo...	2.325	101	180657	54.285	ug/l	90
10) Methyl Iodide	2.453	142	241152	58.673	ug/l	92
11) Tert butyl alcohol	2.953	59	215847	248.235	ug/l #	91
12) 1,1-Dichloroethene	2.319	96	166559	52.237	ug/l #	80
13) Acrolein	2.233	56	166013	251.903	ug/l	100
14) Allyl chloride	2.660	41	234095	51.258	ug/l #	95
15) Acrylonitrile	3.056	53	474750	258.711	ug/l	99
16) Acetone	2.374	43	497095	277.496	ug/l	92
17) Carbon Disulfide	2.508	76	433641	51.184	ug/l	99
18) Methyl Acetate	2.697	43	392547	51.435	ug/l #	88
19) Methyl tert-butyl Ether	3.111	73	542030	53.159	ug/l	96
20) Methylene Chloride	2.788	84	182591	50.563	ug/l #	83
21) trans-1,2-Dichloroethene	3.087	96	184205	53.066	ug/l	84
22) Diisopropyl ether	3.757	45	456204	53.001	ug/l #	83
23) Vinyl Acetate	3.715	43	1677765	274.621	ug/l #	91
24) 1,1-Dichloroethane	3.605	63	297284	52.204	ug/l	97
25) 2-Butanone	4.550	43	677202	260.963	ug/l #	87
26) 2,2-Dichloropropane	4.471	77	271522	54.608	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	212203	52.939	ug/l	85
28) Bromochloromethane	4.891	49	133466	52.152	ug/l #	57
29) Tetrahydrofuran	4.995	42	415742	257.498	ug/l #	81
30) Chloroform	5.087	83	343522	51.413	ug/l	100
31) Cyclohexane	5.471	56	247999	52.681	ug/l	87
32) 1,1,1-Trichloroethane	5.379	97	315123	53.591	ug/l	95
36) 1,1-Dichloropropene	5.690	75	248984	54.418	ug/l	95
37) Ethyl Acetate	4.702	43	248038	53.097	ug/l #	94
38) Carbon Tetrachloride	5.672	117	285634	55.843	ug/l	100
39) Methylcyclohexane	7.379	83	311536	54.459	ug/l	89
40) Benzene	6.031	78	704260	53.440	ug/l	99

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41) Methacrylonitrile	4.910	41	130481	54.826	ug/l #	87
42) 1,2-Dichloroethane	6.080	62	263120	55.334	ug/l	96
43) Isopropyl Acetate	6.330	43	382859	53.310	ug/l #	91
44) Trichloroethene	7.123	130	223940	54.615	ug/l	92
45) 1,2-Dichloropropane	7.428	63	172717	54.215	ug/l	97
46) Dibromomethane	7.580	93	144767	54.337	ug/l #	86
47) Bromodichloromethane	7.818	83	269656	53.818	ug/l	95
48) Methyl methacrylate	7.690	41	191146	55.227	ug/l #	84
49) 1,4-Dioxane	7.653	88	85425	1084.186	ug/l #	84
51) 4-Methyl-2-Pentanone	8.568	43	1258040	268.859	ug/l	91
52) Toluene	8.714	92	476284	55.170	ug/l	96
53) t-1,3-Dichloropropene	8.976	75	290935	57.034	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	307553	57.112	ug/l #	88
55) 1,1,2-Trichloroethane	9.147	97	202573	55.303	ug/l	98
56) Ethyl methacrylate	9.116	69	292793	57.131	ug/l	86
57) 1,3-Dichloropropane	9.305	76	313112	54.881	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	712744	282.861	ug/l	90
59) 2-Hexanone	9.427	43	1016102	268.376	ug/l	90
60) Dibromochloromethane	9.519	129	234912	57.129	ug/l	99
61) 1,2-Dibromoethane	9.604	107	225940	54.884	ug/l	98
64) Tetrachloroethene	9.269	164	197724	53.810	ug/l	97
65) Chlorobenzene	10.079	112	549659	55.005	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	211727	56.362	ug/l	98
67) Ethyl Benzene	10.189	91	940418	55.635	ug/l	98
68) m/p-Xylenes	10.299	106	748887	111.630	ug/l	95
69) o-Xylene	10.640	106	361798	55.457	ug/l	97
70) Styrene	10.653	104	611583	56.801	ug/l	95
71) Bromoform	10.799	173	186768	56.328	ug/l #	98
73) Isopropylbenzene	10.963	105	966602	55.353	ug/l	97
74) N-amyl acetate	10.842	43	337840	55.680	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.213	83	319483	52.921	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	310047m	54.999	ug/l	
77) Bromobenzene	11.195	156	257846	53.801	ug/l	82
78) n-propylbenzene	11.305	91	1121221	55.176	ug/l	96
79) 2-Chlorotoluene	11.360	91	660102	54.257	ug/l	93
80) 1,3,5-Trimethylbenzene	11.451	105	836320	55.647	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	98218	54.034	ug/l	85
82) 4-Chlorotoluene	11.451	91	780933	54.945	ug/l	93
83) tert-Butylbenzene	11.713	119	845809	55.540	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	826923	55.475	ug/l	94
85) sec-Butylbenzene	11.890	105	1036044	54.522	ug/l	96
86) p-Isopropyltoluene	12.006	119	908251	56.108	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	492563	53.756	ug/l	96
88) 1,4-Dichlorobenzene	12.043	146	497858	52.861	ug/l	97
89) n-Butylbenzene	12.329	91	793267	55.069	ug/l	97
90) Hexachloroethane	12.536	117	154512	56.351	ug/l	76
91) 1,2-Dichlorobenzene	12.335	146	480664	53.714	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.939	75	81164	53.493	ug/l	67
93) 1,2,4-Trichlorobenzene	13.585	180	346248	54.098	ug/l	97
94) Hexachlorobutadiene	13.725	225	153022	55.406	ug/l	99
95) Naphthalene	13.774	128	1058764	54.840	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	333846	52.919	ug/l	98

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

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