

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100423\
 Data File : VX038052.D
 Acq On : 04 Oct 2023 09:52
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/05/2023
 Supervised By : Mahesh Dadoda 10/05/2023

Quant Time: Oct 05 00:56:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100323W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 04 09:08:35 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	146234	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	239950	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	240153	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	131354	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	110769	48.682	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.360%		
35) Dibromofluoromethane	5.379	113	83819	50.918	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.840%		
50) Toluene-d8	8.647	98	325251	51.628	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	103.260%		
62) 4-Bromofluorobenzene	11.079	95	124270	54.201	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	108.400%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	74458	51.099	ug/l	97
3) Chloromethane	1.301	50	78409	40.874	ug/l	100
4) Vinyl Chloride	1.374	62	83417	48.180	ug/l	96
5) Bromomethane	1.599	94	123308	54.165	ug/l	100
6) Chloroethane	1.679	64	61247	47.123	ug/l	98
7) Trichlorofluoromethane	1.886	101	148835	43.581	ug/l	98
8) Diethyl Ether	2.130	74	54368	43.533	ug/l	83
9) 1,1,2-Trichlorotrifluo...	2.325	101	69783	46.932	ug/l	98
10) Methyl Iodide	2.453	142	88789	57.896	ug/l	95
11) Tert butyl alcohol	2.953	59	117931	230.738	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	67385	48.668	ug/l	88
13) Acrolein	2.233	56	72771	248.893	ug/l	99
14) Allyl chloride	2.660	41	119663	48.765	ug/l	93
15) Acrylonitrile	3.056	53	257552	242.448	ug/l	99
16) Acetone	2.374	43	250019	250.206	ug/l	94
17) Carbon Disulfide	2.508	76	186128	47.528	ug/l	99
18) Methyl Acetate	2.697	43	206686	48.112	ug/l	95
19) Methyl tert-butyl Ether	3.111	73	257533	48.162	ug/l	100
20) Methylene Chloride	2.788	84	84595	47.085	ug/l	92
21) trans-1,2-Dichloroethene	3.087	96	78986	47.479	ug/l	93
22) Diisopropyl ether	3.757	45	250512	48.854	ug/l	89
23) Vinyl Acetate	3.715	43	946121	256.470	ug/l	97
24) 1,1-Dichloroethane	3.605	63	146281	47.000	ug/l	100
25) 2-Butanone	4.544	43	398142	252.718	ug/l	96
26) 2,2-Dichloropropane	4.477	77	127580	52.191	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	94273	48.604	ug/l	95
28) Bromochloromethane	4.891	49	80466	54.949	ug/l	93
29) Tetrahydrofuran	4.995	42	253642	249.633	ug/l	93
30) Chloroform	5.086	83	163146	48.121	ug/l	97
31) Cyclohexane	5.464	56	131113	49.278	ug/l	91
32) 1,1,1-Trichloroethane	5.373	97	142089	50.384	ug/l	99
36) 1,1-Dichloropropene	5.684	75	119966	49.451	ug/l	98
37) Ethyl Acetate	4.702	43	145569	53.428	ug/l	99
38) Carbon Tetrachloride	5.672	117	122212	51.769	ug/l	97
39) Methylcyclohexane	7.379	83	149004	51.968	ug/l	95
40) Benzene	6.031	78	341076	49.840	ug/l	98

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41) Methacrylonitrile	4.910	41	74427	54.558	ug/l	91
42) 1,2-Dichloroethane	6.080	62	136634	50.911	ug/l	100
43) Isopropyl Acetate	6.330	43	226263	53.603	ug/l	99
44) Trichloroethene	7.123	130	90058	48.764	ug/l	95
45) 1,2-Dichloropropane	7.428	63	89188	51.193	ug/l	100
46) Dibromomethane	7.580	93	66828	49.532	ug/l	98
47) Bromodichloromethane	7.818	83	126029	53.655	ug/l	99
48) Methyl methacrylate	7.690	41	106912	52.678	ug/l	87
49) 1,4-Dioxane	7.653	88	50806	1116.764	ug/l #	89
51) 4-Methyl-2-Pentanone	8.568	43	773165	263.634	ug/l	98
52) Toluene	8.714	92	224437	50.670	ug/l	93
53) t-1,3-Dichloropropene	8.976	75	142010	57.396	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	147336	55.962	ug/l	93
55) 1,1,2-Trichloroethane	9.147	97	93506	51.986	ug/l	95
56) Ethyl methacrylate	9.116	69	149734	55.388	ug/l	93
57) 1,3-Dichloropropane	9.305	76	156749	51.825	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	392943	284.398	ug/l	98
59) 2-Hexanone	9.427	43	633708	270.114	ug/l	97
60) Dibromochloromethane	9.519	129	98735	57.042	ug/l	100
61) 1,2-Dibromoethane	9.610	107	103109	52.874	ug/l	99
64) Tetrachloroethene	9.275	164	76344	47.778	ug/l	98
65) Chlorobenzene	10.079	112	243454	48.292	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	87956	52.322	ug/l	99
67) Ethyl Benzene	10.195	91	453815	50.043	ug/l	100
68) m/p-Xylenes	10.299	106	345199	99.396	ug/l	99
69) o-Xylene	10.640	106	166601	50.514	ug/l	97
70) Styrene	10.653	104	282189	51.802	ug/l	98
71) Bromoform	10.799	173	73048	57.160	ug/l #	100
73) Isopropylbenzene	10.963	105	448679	50.332	ug/l	99
74) N-amyl acetate	10.842	43	207418	51.700	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	164458	49.289	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	138810m	45.619	ug/l	
77) Bromobenzene	11.195	156	106006	48.503	ug/l	94
78) n-propylbenzene	11.305	91	555818	50.742	ug/l	99
79) 2-Chlorotoluene	11.366	91	314473	49.442	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	392927	51.789	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	51659	57.336	ug/l	93
82) 4-Chlorotoluene	11.451	91	381807	49.805	ug/l	99
83) tert-Butylbenzene	11.713	119	378122	50.132	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	392343	51.273	ug/l	99
85) sec-Butylbenzene	11.890	105	501511	51.269	ug/l	99
86) p-Isopropyltoluene	12.006	119	415916	51.921	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	210994	48.145	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	215335	47.076	ug/l	98
89) n-Butylbenzene	12.329	91	413185	51.681	ug/l	96
90) Hexachloroethane	12.536	117	71814	55.005	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	205539	49.284	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	42067	55.401	ug/l	91
93) 1,2,4-Trichlorobenzene	13.585	180	138323	47.814	ug/l	97
94) Hexachlorobutadiene	13.725	225	60207	48.772	ug/l	98
95) Naphthalene	13.774	128	480360	49.258	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	134639	48.124	ug/l	98

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

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