

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100523\
 Data File : VX038093.D
 Acq On : 05 Oct 2023 11:08
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/05/2023
 Supervised By : Mahesh Dadoda 10/06/2023

Quant Time: Oct 05 15:07:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 05 12:40:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	152843	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	264733	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	254512	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	140086	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	123827	50.369	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.740%			
35) Dibromofluoromethane	5.385	113	95349	49.985	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.960%			
50) Toluene-d8	8.653	98	365196	50.100	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.200%			
62) 4-Bromofluorobenzene	11.079	95	137722	49.837	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.680%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	75675	51.294	ug/l	98
3) Chloromethane	1.307	50	69449	46.186	ug/l	100
4) Vinyl Chloride	1.374	62	83107	49.849	ug/l	95
5) Bromomethane	1.599	94	117456	53.705	ug/l	98
6) Chloroethane	1.679	64	66629	54.215	ug/l	100
7) Trichlorofluoromethane	1.886	101	164487	49.950	ug/l	100
8) Diethyl Ether	2.136	74	60942	49.621	ug/l	81
9) 1,1,2-Trichlorotrifluo...	2.331	101	71320	49.610	ug/l	98
10) Methyl Iodide	2.453	142	102670	49.636	ug/l	96
11) Tert butyl alcohol	2.959	59	133902	246.592	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	70013	50.067	ug/l	90
13) Acrolein	2.233	56	78415	224.373	ug/l	100
14) Allyl chloride	2.666	41	124410	49.739	ug/l	93
15) Acrylonitrile	3.062	53	277952	248.447	ug/l	99
16) Acetone	2.380	43	244852	238.646	ug/l	93
17) Carbon Disulfide	2.514	76	190964	47.381	ug/l	99
18) Methyl Acetate	2.703	43	217025	49.325	ug/l	94
19) Methyl tert-butyl Ether	3.111	73	278226	49.957	ug/l	99
20) Methylene Chloride	2.788	84	87202	45.185	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	87685	50.643	ug/l	92
22) Diisopropyl ether	3.764	45	268088	51.140	ug/l #	85
23) Vinyl Acetate	3.721	43	994460	258.681	ug/l	98
24) 1,1-Dichloroethane	3.611	63	156791	49.284	ug/l	99
25) 2-Butanone	4.556	43	408754	246.917	ug/l	92
26) 2,2-Dichloropropane	4.477	77	127288	51.246	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	101521	49.233	ug/l	95
28) Bromochloromethane	4.897	49	75508	52.576	ug/l	90
29) Tetrahydrofuran	5.001	42	264802	245.690	ug/l	89
30) Chloroform	5.099	83	178542	51.321	ug/l	99
31) Cyclohexane	5.471	56	136849	51.380	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	154771	51.940	ug/l	99
36) 1,1-Dichloropropene	5.696	75	127409	48.435	ug/l	98
37) Ethyl Acetate	4.715	43	153815	49.235	ug/l	97
38) Carbon Tetrachloride	5.678	117	131477	50.808	ug/l	99
39) Methylcyclohexane	7.379	83	156372	50.751	ug/l	95
40) Benzene	6.037	78	371225	50.456	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	77962	50.165	ug/l #	89
42) 1,2-Dichloroethane	6.086	62	147463	50.165	ug/l	100
43) Isopropyl Acetate	6.342	43	239503	51.354	ug/l	97
44) Trichloroethene	7.129	130	97102	50.460	ug/l	99
45) 1,2-Dichloropropane	7.434	63	95630	50.220	ug/l	99
46) Dibromomethane	7.580	93	72936	49.384	ug/l	97
47) Bromodichloromethane	7.824	83	138801	52.830	ug/l	99
48) Methyl methacrylate	7.696	41	114288	51.333	ug/l	86
49) 1,4-Dioxane	7.659	88	56129	1023.072	ug/l #	88
51) 4-Methyl-2-Pentanone	8.574	43	807628	251.061	ug/l	98
52) Toluene	8.720	92	243575	50.823	ug/l	93
53) t-1,3-Dichloropropene	8.976	75	151810	53.830	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	155565	52.503	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	103135	50.311	ug/l	95
56) Ethyl methacrylate	9.116	69	163323	51.964	ug/l	94
57) 1,3-Dichloropropane	9.311	76	169263	51.052	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	390836	253.331	ug/l	99
59) 2-Hexanone	9.433	43	650434	251.511	ug/l	95
60) Dibromochloromethane	9.525	129	106050	52.858	ug/l	100
61) 1,2-Dibromoethane	9.610	107	113582	51.236	ug/l	100
64) Tetrachloroethene	9.275	164	83781	50.849	ug/l	97
65) Chlorobenzene	10.079	112	262932	49.370	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	95667	53.121	ug/l	99
67) Ethyl Benzene	10.195	91	483224	50.831	ug/l	100
68) m/p-Xylenes	10.299	106	371674	101.113	ug/l	100
69) o-Xylene	10.640	106	178828	49.847	ug/l	98
70) Styrene	10.653	104	301310	51.573	ug/l	98
71) Bromoform	10.799	173	78664	47.252	ug/l #	100
73) Isopropylbenzene	10.963	105	475320	50.595	ug/l	99
74) N-amyl acetate	10.842	43	214374	53.435	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	174043	50.487	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	142771m	44.831	ug/l	
77) Bromobenzene	11.201	156	114310	49.838	ug/l	94
78) n-propylbenzene	11.305	91	580578	50.541	ug/l	99
79) 2-Chlorotoluene	11.366	91	334442	49.092	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	414803	51.178	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	52682	48.440	ug/l	92
82) 4-Chlorotoluene	11.457	91	404235	50.144	ug/l	98
83) tert-Butylbenzene	11.713	119	401180	50.656	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	416769	51.573	ug/l	99
85) sec-Butylbenzene	11.890	105	527458	51.414	ug/l	100
86) p-Isopropyltoluene	12.006	119	434626	51.349	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	227458	49.374	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	226830	48.229	ug/l	99
89) n-Butylbenzene	12.335	91	430807	51.106	ug/l	96
90) Hexachloroethane	12.536	117	74874	53.352	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	217854	49.197	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	43985	52.773	ug/l	89
93) 1,2,4-Trichlorobenzene	13.585	180	145912	49.127	ug/l	97
94) Hexachlorobutadiene	13.725	225	58688	49.094	ug/l	99
95) Naphthalene	13.774	128	513276	49.625	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	142673	49.611	ug/l	98

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

