

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100523\
 Data File : VX038106.D
 Acq On : 05 Oct 2023 17:17
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: Oct 05 17:47:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 05 15:27:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	135595	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	232184	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	227321	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	125062	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	110825	50.815	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.620%			
35) Dibromofluoromethane	5.385	113	86493	51.698	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.400%			
50) Toluene-d8	8.653	98	332123	51.950	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.900%			
62) 4-Bromofluorobenzene	11.079	95	127734	52.703	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.400%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	67358	51.464	ug/l	99
3) Chloromethane	1.307	50	63639	47.706	ug/l	99
4) Vinyl Chloride	1.374	62	79639	53.845	ug/l	97
5) Bromomethane	1.599	94	113008	58.318	ug/l	100
6) Chloroethane	1.679	64	68260	61.685	ug/l	99
7) Trichlorofluoromethane	1.886	101	170588	58.392	ug/l	99
8) Diethyl Ether	2.130	74	63565	58.340	ug/l	80
9) 1,1,2-Trichlorotrifluo...	2.325	101	64869	50.863	ug/l	98
10) Methyl Iodide	2.453	142	92853	50.600	ug/l	95
11) Tert butyl alcohol	2.965	59	120620	250.567	ug/l #	94
12) 1,1-Dichloroethene	2.319	96	63456	51.150	ug/l	89
13) Acrolein	2.239	56	85355	275.297	ug/l	99
14) Allyl chloride	2.660	41	111636	50.309	ug/l	94
15) Acrylonitrile	3.062	53	255240	257.166	ug/l	100
16) Acetone	2.380	43	215228	236.457	ug/l	93
17) Carbon Disulfide	2.508	76	167218	46.767	ug/l	99
18) Methyl Acetate	2.703	43	202363	51.843	ug/l	94
19) Methyl tert-butyl Ether	3.117	73	256666	51.948	ug/l	99
20) Methylene Chloride	2.788	84	81467	47.583	ug/l	92
21) trans-1,2-Dichloroethene	3.093	96	78171	50.892	ug/l	90
22) Diisopropyl ether	3.764	45	248708	53.478	ug/l	90
23) Vinyl Acetate	3.721	43	928490	272.242	ug/l	97
24) 1,1-Dichloroethane	3.611	63	144517	51.204	ug/l	99
25) 2-Butanone	4.556	43	375751	255.853	ug/l	93
26) 2,2-Dichloropropane	4.477	77	111887	50.776	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	95131	52.002	ug/l	92
28) Bromochloromethane	4.897	49	69081	54.220	ug/l	89
29) Tetrahydrofuran	5.007	42	249275	260.703	ug/l	89
30) Chloroform	5.093	83	167237	54.186	ug/l	98
31) Cyclohexane	5.477	56	123564	52.293	ug/l	93
32) 1,1,1-Trichloroethane	5.379	97	141507	53.529	ug/l	99
36) 1,1-Dichloropropene	5.696	75	118237	51.250	ug/l	99
37) Ethyl Acetate	4.715	43	144407	52.704	ug/l	98
38) Carbon Tetrachloride	5.678	117	120006	52.876	ug/l	96
39) Methylcyclohexane	7.385	83	139924	51.779	ug/l	93
40) Benzene	6.037	78	346746	53.736	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	72197	52.968	ug/l #	89
42) 1,2-Dichloroethane	6.086	62	137358	53.278	ug/l	99
43) Isopropyl Acetate	6.342	43	221097	54.054	ug/l	97
44) Trichloroethene	7.123	130	88585	52.488	ug/l	98
45) 1,2-Dichloropropane	7.434	63	89778	53.756	ug/l	100
46) Dibromomethane	7.580	93	68815	53.126	ug/l	98
47) Bromodichloromethane	7.824	83	126378	54.844	ug/l	99
48) Methyl methacrylate	7.696	41	106401	54.490	ug/l	86
49) 1,4-Dioxane	7.659	88	49431	1027.292	ug/l #	90
51) 4-Methyl-2-Pentanone	8.574	43	759471	269.188	ug/l	98
52) Toluene	8.720	92	228515	54.364	ug/l	94
53) t-1,3-Dichloropropene	8.982	75	139451	56.379	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	143763	55.321	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	95273	52.991	ug/l	95
56) Ethyl methacrylate	9.116	69	151902	55.105	ug/l	92
57) 1,3-Dichloropropane	9.311	76	157991	54.332	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	354444	261.950	ug/l	100
59) 2-Hexanone	9.433	43	610565	269.191	ug/l	96
60) Dibromochloromethane	9.525	129	99576	56.589	ug/l	99
61) 1,2-Dibromoethane	9.610	107	105957	54.497	ug/l	99
64) Tetrachloroethene	9.275	164	75570	51.352	ug/l	99
65) Chlorobenzene	10.079	112	245645	51.641	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	89854	55.861	ug/l	99
67) Ethyl Benzene	10.195	91	449479	52.937	ug/l	100
68) m/p-Xylenes	10.299	106	345737	105.308	ug/l	99
69) o-Xylene	10.640	106	169100	52.773	ug/l	99
70) Styrene	10.659	104	285020	54.620	ug/l	98
71) Bromoform	10.799	173	72615	48.740	ug/l #	99
73) Isopropylbenzene	10.963	105	443659	52.898	ug/l	99
74) N-amyl acetate	10.842	43	200269	55.917	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	165886	53.902	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	153130m	53.860	ug/l	
77) Bromobenzene	11.201	156	106346	51.936	ug/l	94
78) n-propylbenzene	11.305	91	543319	52.980	ug/l	99
79) 2-Chlorotoluene	11.366	91	315037	51.799	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	390178	53.923	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	47580	48.957	ug/l	93
82) 4-Chlorotoluene	11.457	91	378543	52.598	ug/l	99
83) tert-Butylbenzene	11.713	119	383486	54.239	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	390455	54.121	ug/l	99
85) sec-Butylbenzene	11.890	105	491233	53.635	ug/l	100
86) p-Isopropyltoluene	12.012	119	408299	54.033	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	211107	51.330	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	214976	51.199	ug/l	99
89) n-Butylbenzene	12.335	91	395876	52.604	ug/l	97
90) Hexachloroethane	12.536	117	68431	54.619	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	207272	52.430	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	40575	54.530	ug/l	90
93) 1,2,4-Trichlorobenzene	13.585	180	135707	51.180	ug/l	96
94) Hexachlorobutadiene	13.725	225	53213	49.862	ug/l	99
95) Naphthalene	13.774	128	482036	52.203	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	132056	51.436	ug/l	97

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

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