

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042823\
 Data File : VX035379.D
 Acq On : 28 Apr 2023 10:31
 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 04/28/2023
 Supervised By : Mahesh Dadoda 05/01/2023

Quant Time: Apr 28 15:40:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 16:31:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	261150	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	399192	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	353705	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	177369	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	158430	50.285	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.580%			
35) Dibromofluoromethane	5.379	113	132613	54.125	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.260%			
50) Toluene-d8	8.647	98	480541	51.992	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.980%			
62) 4-Bromofluorobenzene	11.079	95	186735	53.707	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.420%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	141439	51.185	ug/l	98
3) Chloromethane	1.295	50	108874	43.311	ug/l	97
4) Vinyl Chloride	1.374	62	116226	46.099	ug/l	99
5) Bromomethane	1.618	94	73994	44.157	ug/l	98
6) Chloroethane	1.691	64	67177	45.557	ug/l	99
7) Trichlorofluoromethane	1.886	101	195334	49.543	ug/l	99
8) Diethyl Ether	2.130	74	66874	46.520	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.331	101	131383	49.892	ug/l	96
10) Methyl Iodide	2.453	142	143061	43.046	ug/l	97
11) Tert butyl alcohol	3.008	59	128592	224.159	ug/l #	91
12) 1,1-Dichloroethene	2.319	96	120801	47.627	ug/l	98
13) Acrolein	2.239	56	142305	252.242	ug/l	100
14) Allyl chloride	2.666	41	209859	47.015	ug/l	98
15) Acrylonitrile	3.063	53	326775	227.750	ug/l	100
16) Acetone	2.392	43	336349	245.803	ug/l	100
17) Carbon Disulfide	2.514	76	288455	47.440	ug/l	99
18) Methyl Acetate	2.703	43	246768	46.635	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	428590	49.253	ug/l	98
20) Methylene Chloride	2.788	84	136689	43.565	ug/l	93
21) trans-1,2-Dichloroethene	3.087	96	131507	47.738	ug/l	94
22) Diisopropyl ether	3.757	45	416203	47.120	ug/l	89
23) Vinyl Acetate	3.721	43	1483954	244.414	ug/l	98
24) 1,1-Dichloroethane	3.605	63	240547	48.348	ug/l	100
25) 2-Butanone	4.562	43	456816	228.720	ug/l	93
26) 2,2-Dichloropropane	4.471	77	199236	51.114	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	154278	47.645	ug/l	95
28) Bromochloromethane	4.898	49	103805	48.959	ug/l	84
29) Tetrahydrofuran	5.007	42	279670	218.433	ug/l	95
30) Chloroform	5.093	83	250217	49.818	ug/l	99
31) Cyclohexane	5.471	56	212786	47.611	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	221009	50.210	ug/l	97
36) 1,1-Dichloropropene	5.690	75	187739	49.073	ug/l	99
37) Ethyl Acetate	4.709	43	171627	49.118	ug/l	96
38) Carbon Tetrachloride	5.678	117	194344	53.512	ug/l	98
39) Methylcyclohexane	7.379	83	232788	49.988	ug/l	99
40) Benzene	6.038	78	538242	49.044	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	100585	50.238	ug/l	97
42) 1,2-Dichloroethane	6.086	62	196671	50.261	ug/l	98
43) Isopropyl Acetate	6.336	43	289539	49.314	ug/l	96
44) Trichloroethene	7.123	130	151767	50.199	ug/l	95
45) 1,2-Dichloropropane	7.428	63	137964	49.863	ug/l	99
46) Dibromomethane	7.580	93	95860	50.452	ug/l	92
47) Bromodichloromethane	7.818	83	184633	52.741	ug/l	98
48) Methyl methacrylate	7.690	41	143025	49.661	ug/l	92
49) 1,4-Dioxane	7.720	88	64788	922.879	ug/l	93
51) 4-Methyl-2-Pentanone	8.574	43	860662	238.600	ug/l	95
52) Toluene	8.714	92	346830	49.857	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	206108	56.376	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	224509	54.330	ug/l	91
55) 1,1,2-Trichloroethane	9.153	97	137122	49.445	ug/l	97
56) Ethyl methacrylate	9.116	69	211592	51.218	ug/l	90
57) 1,3-Dichloropropane	9.305	76	233035	49.128	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	532111	257.598	ug/l	94
59) 2-Hexanone	9.427	43	654383	241.483	ug/l	94
60) Dibromochloromethane	9.519	129	147387	55.470	ug/l	99
61) 1,2-Dibromoethane	9.610	107	143969	50.358	ug/l	99
64) Tetrachloroethene	9.275	164	134042	49.494	ug/l	99
65) Chlorobenzene	10.080	112	372815	48.718	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	142337	53.445	ug/l	99
67) Ethyl Benzene	10.195	91	669861	50.546	ug/l	100
68) m/p-Xylenes	10.299	106	514272	101.273	ug/l	99
69) o-Xylene	10.640	106	254061	51.021	ug/l	99
70) Styrene	10.653	104	420613	52.096	ug/l	98
71) Bromoform	10.799	173	102467	55.314	ug/l #	100
73) Isopropylbenzene	10.964	105	668968	51.596	ug/l	100
74) N-amyl acetate	10.842	43	249591	51.225	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	196128	48.736	ug/l	97
76) 1,2,3-Trichloropropane	11.238	75	164679m	46.544	ug/l	
77) Bromobenzene	11.195	156	162735	50.493	ug/l	91
78) n-propylbenzene	11.305	91	761375	51.131	ug/l	98
79) 2-Chlorotoluene	11.366	91	462858	49.743	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	569101	52.056	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	57562	52.693	ug/l	98
82) 4-Chlorotoluene	11.451	91	535486	51.238	ug/l	98
83) tert-Butylbenzene	11.713	119	561381	51.178	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	570583	51.944	ug/l	100
85) sec-Butylbenzene	11.890	105	686056	50.989	ug/l	99
86) p-Isopropyltoluene	12.006	119	594289	51.933	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	310327	50.667	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	309311	48.166	ug/l	99
89) n-Butylbenzene	12.335	91	502055	51.971	ug/l	99
90) Hexachloroethane	12.536	117	95420	54.471	ug/l	89
91) 1,2-Dichlorobenzene	12.335	146	301875	49.279	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	41994	52.041	ug/l	86
93) 1,2,4-Trichlorobenzene	13.585	180	198821	51.634	ug/l	99
94) Hexachlorobutadiene	13.725	225	84754	50.152	ug/l	100
95) Naphthalene	13.774	128	614926	51.875	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	195041	50.317	ug/l	98

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

