

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042424\
 Data File : VX041227.D
 Acq On : 24 Apr 2024 11:39
 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 04/25/2024
 Supervised By : Mahesh Dadoda 04/25/2024

Quant Time: Apr 25 05:50:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042224W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:30:28 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	237025	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	316443	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	233059	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	161848	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	112170	49.714	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.420%		
35) Dibromofluoromethane	5.379	113	111625	57.990	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	115.980%		
50) Toluene-d8	8.647	98	371426	57.192	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	114.380%#		
62) 4-Bromofluorobenzene	11.079	95	147280	61.442	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	122.880%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	100755	53.744	ug/l	97
3) Chloromethane	1.300	50	94451	46.534	ug/l	99
4) Vinyl Chloride	1.374	62	111002	54.688	ug/l	97
5) Bromomethane	1.599	94	74980	65.608	ug/l	99
6) Chloroethane	1.685	64	58199	75.474	ug/l	99
7) Trichlorofluoromethane	1.886	101	168373	53.536	ug/l	99
8) Diethyl Ether	2.136	74	57917	50.041	ug/l	86
9) 1,1,2-Trichlorotrifluo...	2.331	101	92081	49.762	ug/l	# 87
10) Methyl Iodide	2.453	142	73537	32.955	ug/l	91
11) Tert butyl alcohol	2.959	59	102506m	253.592	ug/l	
12) 1,1-Dichloroethene	2.319	96	83397	48.279	ug/l	85
13) Acrolein	2.233	56	119762	264.115	ug/l	99
14) Allyl chloride	2.660	41	139397	49.676	ug/l	94
15) Acrylonitrile	3.062	53	249720	241.766	ug/l	99
16) Acetone	2.380	43	234757	285.841	ug/l	95
17) Carbon Disulfide	2.514	76	191169	52.978	ug/l	98
18) Methyl Acetate	2.703	43	106734	43.933	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	305429	49.461	ug/l	99
20) Methylene Chloride	2.788	84	87664	43.705	ug/l	93
21) trans-1,2-Dichloroethene	3.087	96	91135	47.742	ug/l	91
22) Diisopropyl ether	3.757	45	346083	57.042	ug/l	93
23) Vinyl Acetate	3.721	43	1630854	314.206	ug/l	95
24) 1,1-Dichloroethane	3.605	63	197161	58.134	ug/l	96
25) 2-Butanone	4.550	43	438799	312.849	ug/l	95
26) 2,2-Dichloropropane	4.471	77	175973	61.392	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	135463	57.253	ug/l	89
28) Bromochloromethane	4.897	49	68710	53.386	ug/l	# 73
29) Tetrahydrofuran	4.995	42	279743	292.763	ug/l	94
30) Chloroform	5.086	83	212048	58.251	ug/l	97
31) Cyclohexane	5.464	56	169041	55.667	ug/l	94
32) 1,1,1-Trichloroethane	5.379	97	194946	59.739	ug/l	97
36) 1,1-Dichloropropene	5.690	75	144646	58.730	ug/l	95
37) Ethyl Acetate	4.708	43	171750	63.560	ug/l	99
38) Carbon Tetrachloride	5.672	117	175359	63.746	ug/l	97
39) Methylcyclohexane	7.379	83	191736	58.693	ug/l	91
40) Benzene	6.037	78	368179	48.404	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	93779	66.663	ug/l	95
42) 1,2-Dichloroethane	6.080	62	138371	52.465	ug/l	96
43) Isopropyl Acetate	6.336	43	228174	52.419	ug/l	98
44) Trichloroethene	7.123	130	128462	58.089	ug/l	88
45) 1,2-Dichloropropane	7.427	63	106318	58.295	ug/l	100
46) Dibromomethane	7.580	93	83164	61.153	ug/l #	76
47) Bromodichloromethane	7.818	83	165037	65.837	ug/l	96
48) Methyl methacrylate	7.690	41	132574	64.391	ug/l	93
49) 1,4-Dioxane	7.659	88	51534	1162.909	ug/l #	90
51) 4-Methyl-2-Pentanone	8.567	43	857444	314.701	ug/l	97
52) Toluene	8.714	92	235494	49.134	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	144122	58.614	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	180182	64.461	ug/l	92
55) 1,1,2-Trichloroethane	9.147	97	95352	50.985	ug/l	98
56) Ethyl methacrylate	9.116	69	153672	53.748	ug/l	97
57) 1,3-Dichloropropane	9.305	76	159850	51.633	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	384464	276.289	ug/l	91
59) 2-Hexanone	9.427	43	572822	274.163	ug/l	98
60) Dibromochloromethane	9.518	129	129093	59.795	ug/l	100
61) 1,2-Dibromoethane	9.610	107	105703	52.679	ug/l	99
64) Tetrachloroethene	9.269	164	106592	59.635	ug/l	91
65) Chlorobenzene	10.079	112	275871	57.516	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	102596	62.448	ug/l	98
67) Ethyl Benzene	10.189	91	460568	60.170	ug/l	99
68) m/p-Xylenes	10.299	106	372630	120.593	ug/l	92
69) o-Xylene	10.640	106	188918	62.862	ug/l	94
70) Styrene	10.652	104	328392	67.166	ug/l	95
71) Bromoform	10.799	173	107878	76.803	ug/l #	100
73) Isopropylbenzene	10.963	105	510140	50.659	ug/l	96
74) N-amyl acetate	10.841	43	202209	51.092	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	174798	55.041	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	145091m	55.640	ug/l	
77) Bromobenzene	11.195	156	161773	55.203	ug/l	78
78) n-propylbenzene	11.305	91	648952	59.682	ug/l	95
79) 2-Chlorotoluene	11.360	91	382222	55.548	ug/l	93
80) 1,3,5-Trimethylbenzene	11.451	105	479872	57.279	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	57385	62.087	ug/l	90
82) 4-Chlorotoluene	11.451	91	445981	57.194	ug/l	92
83) tert-Butylbenzene	11.713	119	513143	57.197	ug/l	91
84) 1,2,4-Trimethylbenzene	11.750	105	478007	57.486	ug/l	92
85) sec-Butylbenzene	11.890	105	622051	60.043	ug/l	95
86) p-Isopropyltoluene	12.006	119	555528	60.848	ug/l	94
87) 1,3-Dichlorobenzene	11.969	146	297250	56.468	ug/l	94
88) 1,4-Dichlorobenzene	12.036	146	300952	55.721	ug/l	95
89) n-Butylbenzene	12.329	91	468674	67.611	ug/l	97
90) Hexachloroethane	12.536	117	94965	63.058	ug/l #	57
91) 1,2-Dichlorobenzene	12.335	146	293064	55.583	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.939	75	39899	59.876	ug/l #	54
93) 1,2,4-Trichlorobenzene	13.585	180	233682	63.924	ug/l	95
94) Hexachlorobutadiene	13.725	225	119061	63.747	ug/l	99
95) Naphthalene	13.774	128	633650	60.328	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	228778	59.414	ug/l	95

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

