

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021924\
 Data File : VX040318.D
 Acq On : 19 Feb 2024 10:08
 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 02/20/2024
 Supervised By : Mahesh Dadoda 02/20/2024

Quant Time: Feb 20 01:08:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 12 00:21:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	96265	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	160322	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	150108	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	78752	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	71404	49.858	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.720%		
35) Dibromofluoromethane	5.379	113	55347	49.435	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.860%		
50) Toluene-d8	8.647	98	202109	48.258	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.520%		
62) 4-Bromofluorobenzene	11.079	95	82536	48.321	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.640%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	55749	51.268	ug/l	99
3) Chloromethane	1.294	50	54063	48.213	ug/l	97
4) Vinyl Chloride	1.374	62	56449	47.637	ug/l	98
5) Bromomethane	1.599	94	38190	57.111	ug/l	99
6) Chloroethane	1.684	64	34544	46.223	ug/l	98
7) Trichlorofluoromethane	1.886	101	88472	46.491	ug/l	97
8) Diethyl Ether	2.130	74	32994	46.155	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	52802	51.727	ug/l	98
10) Methyl Iodide	2.453	142	59038	52.095	ug/l	94
11) Tert butyl alcohol	2.953	59	55071	197.416	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	48496	49.343	ug/l	91
13) Acrolein	2.233	56	69565	270.175	ug/l	99
14) Allyl chloride	2.660	41	91560	53.682	ug/l	98
15) Acrylonitrile	3.056	53	160176	256.625	ug/l	100
16) Acetone	2.373	43	166312	282.752	ug/l	97
17) Carbon Disulfide	2.508	76	120414	46.407	ug/l	98
18) Methyl Acetate	2.696	43	71651	45.441	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	177375	51.227	ug/l	97
20) Methylene Chloride	2.788	84	57747	52.448	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	52674	47.058	ug/l	99
22) Diisopropyl ether	3.757	45	190548	55.087	ug/l	90
23) Vinyl Acetate	3.715	43	852176	276.357	ug/l	99
24) 1,1-Dichloroethane	3.605	63	106218	52.716	ug/l	98
25) 2-Butanone	4.544	43	238374	259.265	ug/l	98
26) 2,2-Dichloropropane	4.471	77	81780	52.725	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	64015	50.132	ug/l	97
28) Bromochloromethane	4.891	49	48688	56.914	ug/l	98
29) Tetrahydrofuran	4.989	42	149261	249.184	ug/l	99
30) Chloroform	5.086	83	111082	50.990	ug/l	96
31) Cyclohexane	5.464	56	85146	49.845	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	91972	50.184	ug/l	99
36) 1,1-Dichloropropene	5.690	75	79441	50.652	ug/l	99
37) Ethyl Acetate	4.702	43	86616	49.633	ug/l	99
38) Carbon Tetrachloride	5.672	117	73134	49.043	ug/l	98
39) Methylcyclohexane	7.379	83	88517	48.565	ug/l	98
40) Benzene	6.031	78	222256	50.675	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	48829	52.781	ug/l	93
42) 1,2-Dichloroethane	6.080	62	89105	51.977	ug/l	100
43) Isopropyl Acetate	6.330	43	141235	51.844	ug/l	100
44) Trichloroethene	7.123	130	58165	48.078	ug/l	93
45) 1,2-Dichloropropane	7.427	63	62089	54.389	ug/l	96
46) Dibromomethane	7.574	93	43353	51.565	ug/l	98
47) Bromodichloromethane	7.818	83	85660	52.877	ug/l	97
48) Methyl methacrylate	7.689	41	70472	50.556	ug/l	94
49) 1,4-Dioxane	7.653	88	25606	844.396	ug/l #	96
51) 4-Methyl-2-Pentanone	8.567	43	479947	258.044	ug/l	99
52) Toluene	8.714	92	142154	49.482	ug/l	94
53) t-1,3-Dichloropropene	8.976	75	90218	46.881	ug/l	98
54) cis-1,3-Dichloropropene	8.360	75	96561	53.185	ug/l	97
55) 1,1,2-Trichloroethane	9.147	97	62549	51.048	ug/l	97
56) Ethyl methacrylate	9.116	69	93986	51.238	ug/l	97
57) 1,3-Dichloropropane	9.305	76	101318	50.660	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	218479	251.779	ug/l	95
59) 2-Hexanone	9.427	43	380047	257.719	ug/l	100
60) Dibromochloromethane	9.518	129	63688	51.018	ug/l	100
61) 1,2-Dibromoethane	9.604	107	61915	47.539	ug/l	98
64) Tetrachloroethene	9.268	164	51638	49.090	ug/l	96
65) Chlorobenzene	10.079	112	153361	48.953	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	55134	50.814	ug/l	98
67) Ethyl Benzene	10.189	91	290100	51.994	ug/l	97
68) m/p-Xylenes	10.299	106	214632	101.854	ug/l	97
69) o-Xylene	10.640	106	103121	50.358	ug/l	94
70) Styrene	10.652	104	178766	52.508	ug/l	98
71) Bromoform	10.799	173	45138	44.495	ug/l #	98
73) Isopropylbenzene	10.957	105	285223	51.422	ug/l	99
74) N-amyl acetate	10.841	43	132388	55.682	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	101853	51.111	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	84715m	53.121	ug/l	
77) Bromobenzene	11.195	156	66925	51.085	ug/l	97
78) n-propylbenzene	11.305	91	358343	53.362	ug/l	97
79) 2-Chlorotoluene	11.360	91	207750	51.232	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	246084	52.698	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	26567	47.009	ug/l	99
82) 4-Chlorotoluene	11.451	91	243550	50.691	ug/l	99
83) tert-Butylbenzene	11.713	119	232031	50.682	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	246811	52.242	ug/l	99
85) sec-Butylbenzene	11.890	105	311775	52.990	ug/l	99
86) p-Isopropyltoluene	12.006	119	254055	52.676	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	133061	51.261	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	133282	48.490	ug/l	100
89) n-Butylbenzene	12.329	91	248434	53.362	ug/l	97
90) Hexachloroethane	12.536	117	40949	53.827	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	126903	50.502	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	22203	48.274	ug/l	92
93) 1,2,4-Trichlorobenzene	13.585	180	85989	49.984	ug/l	96
94) Hexachlorobutadiene	13.725	225	35387	51.539	ug/l	96
95) Naphthalene	13.774	128	273214	50.283	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	82803	50.495	ug/l	98

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

