

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062323\
 Data File : VX036286.D
 Acq On : 23 Jun 2023 11:38
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/24/2023
 Supervised By : Mahesh Dadoda 06/26/2023

Quant Time: Jun 23 12:15:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 12:15:08 2023
 Response via : Initial Calibration

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

Internal Standards								
1) Pentafluorobenzene			5.550	168	206404	50.000	ug/l	0.00
34) 1,4-Difluorobenzene			6.763	114	357258	50.000	ug/l	0.00
63) Chlorobenzene-d5			10.055	117	327505	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4			12.024	152	151529	50.000	ug/l	0.00
System Monitoring Compounds								
33) 1,2-Dichloroethane-d4			5.958	65	144482	38.305	ug/l	0.00
Spiked Amount 50.000			Range 78 - 117		Recovery	=	76.600%	#
35) Dibromofluoromethane			5.385	113	115639	47.733	ug/l	0.00
Spiked Amount 50.000			Range 75 - 124		Recovery	=	95.460%	
50) Toluene-d8			8.647	98	441291	49.797	ug/l	0.00
Spiked Amount 50.000			Range 92 - 112		Recovery	=	99.600%	
62) 4-Bromofluorobenzene			11.079	95	152498	42.631	ug/l	0.00
Spiked Amount 50.000			Range 83 - 123		Recovery	=	85.260%	
Target Compounds								Qvalue
2) Dichlorodifluoromethane			1.166	85	95219	37.584	ug/l	100
3) Chloromethane			1.294	50	170187	63.490	ug/l	99
4) Vinyl Chloride			1.374	62	184804	72.370	ug/l	100
5) Bromomethane			1.617	94	129992	82.812	ug/l	100
6) Chloroethane			1.691	64	133667	80.898	ug/l	99
7) Trichlorofluoromethane			1.886	101	276844	66.991	ug/l	100
8) Diethyl Ether			2.136	74	107278	69.744	ug/l	92
9) 1,1,2-Trichlorotrifluo...			2.331	101	119583	50.741	ug/l	96
10) Methyl Iodide			2.453	142	150444	61.911	ug/l	92
11) Tert butyl alcohol			3.026	59	131935	228.797	ug/l	# 94
12) 1,1-Dichloroethene			2.319	96	116318	52.195	ug/l	90
13) Acrolein			2.239	56	171224	267.380	ug/l	100
14) Allyl chloride			2.666	41	191249	42.413	ug/l	97
15) Acrylonitrile			3.068	53	339904	230.422	ug/l	100
16) Acetone			2.398	43	293067	187.012	ug/l	93
17) Carbon Disulfide			2.514	76	279658	50.769	ug/l	98
18) Methyl Acetate			2.709	43	256417	43.143	ug/l	96
19) Methyl tert-butyl Ether			3.111	73	385213	44.155	ug/l	97
20) Methylene Chloride			2.788	84	129318	45.546	ug/l	93
21) trans-1,2-Dichloroethene			3.093	96	120773	48.777	ug/l	93
22) Diisopropyl ether			3.757	45	384235	42.821	ug/l	96
23) Vinyl Acetate			3.721	43	1432783	225.295	ug/l	99
24) 1,1-Dichloroethane			3.611	63	225440	45.473	ug/l	100
25) 2-Butanone			4.568	43	450239	205.221	ug/l	96
26) 2,2-Dichloropropane			4.477	77	159686	41.420	ug/l	96
27) cis-1,2-Dichloroethene			4.489	96	138237	48.823	ug/l	94
28) Bromochloromethane			4.897	49	108744	42.077	ug/l	94
29) Tetrahydrofuran			5.013	42	284314	204.047	ug/l	94
30) Chloroform			5.092	83	224242	42.948	ug/l	99
31) Cyclohexane			5.477	56	186487	46.087	ug/l	97
32) 1,1,1-Trichloroethane			5.385	97	190478	43.030	ug/l	99
36) 1,1-Dichloropropene			5.690	75	169325	47.448	ug/l	98
37) Ethyl Acetate			4.714	43	176124	42.360	ug/l	98
38) Carbon Tetrachloride			5.678	117	161464	46.543	ug/l	99
39) Methylcyclohexane			7.379	83	210799	54.847	ug/l	94
40) Benzene			6.037	78	485474	48.376	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	98850	43.123	ug/l	94
42) 1,2-Dichloroethane	6.086	62	186252	41.197	ug/l	98
43) Isopropyl Acetate	6.342	43	284435	44.702	ug/l	97
44) Trichloroethene	7.123	130	132899	52.995	ug/l	96
45) 1,2-Dichloropropane	7.427	63	133143	49.903	ug/l	99
46) Dibromomethane	7.580	93	92360	48.594	ug/l	95
47) Bromodichloromethane	7.824	83	174569	47.842	ug/l	98
48) Methyl methacrylate	7.690	41	142624	43.689	ug/l	92
49) 1,4-Dioxane	7.726	88	62399	1141.629	ug/l #	94
51) 4-Methyl-2-Pentanone	8.574	43	925264	230.295	ug/l	98
52) Toluene	8.720	92	308190	49.051	ug/l	96
53) t-1,3-Dichloropropene	8.976	75	180582	48.047	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	202879	50.337	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	129105	49.773	ug/l	93
56) Ethyl methacrylate	9.116	69	196433	50.132	ug/l	96
57) 1,3-Dichloropropane	9.311	76	218264	47.300	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	573712	265.650	ug/l	98
59) 2-Hexanone	9.433	43	681446	228.140	ug/l	97
60) Dibromochloromethane	9.518	129	128941	50.930	ug/l	99
61) 1,2-Dibromoethane	9.610	107	136992	50.653	ug/l	99
64) Tetrachloroethene	9.275	164	112722	55.320	ug/l	98
65) Chlorobenzene	10.079	112	338985	49.950	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	118591	50.638	ug/l	98
67) Ethyl Benzene	10.195	91	603472	49.791	ug/l	99
68) m/p-Xylenes	10.299	106	470721	102.940	ug/l	96
69) o-Xylene	10.640	106	224546	49.771	ug/l	100
70) Styrene	10.652	104	374251	49.785	ug/l	97
71) Bromoform	10.799	173	86799	53.835	ug/l #	99
73) Isopropylbenzene	10.963	105	584559	51.990	ug/l	99
74) N-amyl acetate	10.841	43	238620	46.964	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	193390	50.231	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	158200m	43.991	ug/l	
77) Bromobenzene	11.195	156	139266	52.866	ug/l	93
78) n-propylbenzene	11.305	91	681692	51.538	ug/l	99
79) 2-Chlorotoluene	11.366	91	398938	47.952	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	493270	51.521	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	50711	49.357	ug/l	97
82) 4-Chlorotoluene	11.451	91	466321	48.107	ug/l	97
83) tert-Butylbenzene	11.713	119	470506	51.693	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	486411	50.934	ug/l	97
85) sec-Butylbenzene	11.890	105	599262	52.876	ug/l	100
86) p-Isopropyltoluene	12.006	119	506073	53.074	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	257435	51.243	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	256559	49.856	ug/l	98
89) n-Butylbenzene	12.329	91	451229	53.026	ug/l	98
90) Hexachloroethane	12.536	117	77346	51.713	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	249550	50.612	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	38084	44.848	ug/l	88
93) 1,2,4-Trichlorobenzene	13.585	180	156724	56.073	ug/l	97
94) Hexachlorobutadiene	13.725	225	61427	55.594	ug/l	98
95) Naphthalene	13.774	128	531398	55.119	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	154995	55.300	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

