

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100422\
 Data File : VX031880.D
 Acq On : 04 Oct 2022 20:12
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/05/2022
 Supervised By : Mahesh Dadoda 10/05/2022

Quant Time: Oct 05 06:28:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100322W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 06:59:30 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	139171	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	191077	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	206110	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	158486	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	92427	37.070	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	74.140%		
35) Dibromofluoromethane	5.385	113	99128	43.665	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	87.320%		
50) Toluene-d8	8.653	98	348746	42.942	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	85.880%#		
62) 4-Bromofluorobenzene	11.079	95	127682	43.659	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	87.320%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	78719	43.753	ug/l	98
3) Chloromethane	1.288	50	62851	33.324	ug/l	97
4) Vinyl Chloride	1.368	62	84413	35.135	ug/l	98
5) Bromomethane	1.612	94	70551	45.148	ug/l	98
6) Chloroethane	1.685	64	79371	38.376	ug/l	97
7) Trichlorofluoromethane	1.886	101	171090	34.895	ug/l	98
8) Diethyl Ether	2.130	74	55294	41.833	ug/l	74
9) 1,1,2-Trichlorotrifluo...	2.325	101	86811	40.986	ug/l #	81
10) Methyl Iodide	2.453	142	103280	51.945	ug/l	96
11) Tert butyl alcohol	3.008	59	72692	209.410	ug/l #	81
12) 1,1-Dichloroethene	2.319	96	81608	41.960	ug/l #	75
13) Acrolein	2.240	56	44226	215.195	ug/l	99
14) Allyl chloride	2.660	41	86570	34.871	ug/l #	91
15) Acrylonitrile	3.069	53	179388	197.840	ug/l	97
16) Acetone	2.392	43	133524	229.472	ug/l #	85
17) Carbon Disulfide	2.508	76	172479	37.750	ug/l	98
18) Methyl Acetate	2.703	43	92909	39.836	ug/l #	82
19) Methyl tert-butyl Ether	3.111	73	258281	40.793	ug/l	94
20) Methylene Chloride	2.788	84	88874	40.745	ug/l #	77
21) trans-1,2-Dichloroethene	3.093	96	92362	40.509	ug/l #	80
22) Diisopropyl ether	3.764	45	198844	37.774	ug/l #	89
23) Vinyl Acetate	3.721	43	778460	197.697	ug/l #	85
24) 1,1-Dichloroethane	3.611	63	136363	38.546	ug/l	95
25) 2-Butanone	4.562	43	219723	192.051	ug/l #	81
26) 2,2-Dichloropropane	4.477	77	101388	33.570	ug/l	89
27) cis-1,2-Dichloroethene	4.489	96	109385	41.261	ug/l	75
28) Bromochloromethane	4.898	49	53346	37.312	ug/l #	34
29) Tetrahydrofuran	5.013	42	140260	198.555	ug/l #	74
30) Chloroform	5.093	83	165371	39.075	ug/l	99
31) Cyclohexane	5.471	56	112799	37.986	ug/l #	79
32) 1,1,1-Trichloroethane	5.385	97	153720	38.276	ug/l #	92
36) 1,1-Dichloropropene	5.696	75	113617	40.362	ug/l	90
37) Ethyl Acetate	4.715	43	87271	40.957	ug/l #	90
38) Carbon Tetrachloride	5.678	117	140756	40.279	ug/l	95
39) Methylcyclohexane	7.379	83	148656	43.047	ug/l #	83
40) Benzene	6.038	78	346375	42.595	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	47238	40.797	ug/l #	86
42) 1,2-Dichloroethane	6.086	62	113077	39.692	ug/l	91
43) Isopropyl Acetate	6.342	43	144291	41.881	ug/l #	87
44) Trichloroethene	7.129	130	122007	46.441	ug/l	81
45) 1,2-Dichloropropane	7.434	63	77180	40.512	ug/l	99
46) Dibromomethane	7.580	93	68596	43.198	ug/l #	76
47) Bromodichloromethane	7.824	83	123280	38.791	ug/l	97
48) Methyl methacrylate	7.696	41	66692	43.258	ug/l #	79
49) 1,4-Dioxane	7.696	88	43335	867.218	ug/l #	82
51) 4-Methyl-2-Pentanone	8.574	43	455122	210.448	ug/l	88
52) Toluene	8.720	92	243547	42.720	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	120485	39.758	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	134983	40.649	ug/l #	84
55) 1,1,2-Trichloroethane	9.153	97	100238	44.113	ug/l	95
56) Ethyl methacrylate	9.116	69	126664	48.209	ug/l #	80
57) 1,3-Dichloropropane	9.311	76	149650	42.407	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.245	63	302427	223.373	ug/l #	79
59) 2-Hexanone	9.433	43	339620	216.015	ug/l	85
60) Dibromochloromethane	9.525	129	114902	41.653	ug/l	98
61) 1,2-Dibromoethane	9.610	107	111566	44.215	ug/l	97
64) Tetrachloroethene	9.275	164	126951	49.268	ug/l	91
65) Chlorobenzene	10.080	112	286485	45.841	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	108365	45.049	ug/l	97
67) Ethyl Benzene	10.195	91	465068	45.208	ug/l	95
68) m/p-Xylenes	10.299	106	396107	93.266	ug/l	87
69) o-Xylene	10.640	106	196530	48.032	ug/l	86
70) Styrene	10.659	104	319702	48.072	ug/l	93
71) Bromoform	10.799	173	86905	42.961	ug/l #	100
73) Isopropylbenzene	10.964	105	500006	44.665	ug/l	97
74) N-amyl acetate	10.842	43	122246	46.625	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	11.214	83	137411	43.123	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	120301m	41.720	ug/l	
77) Bromobenzene	11.201	156	142819	48.370	ug/l	78
78) n-propylbenzene	11.305	91	531715	43.456	ug/l	92
79) 2-Chlorotoluene	11.366	91	318668	43.103	ug/l	90
80) 1,3,5-Trimethylbenzene	11.451	105	422294	45.174	ug/l	94
81) trans-1,4-Dichloro-2-b...	11.018	75	31694	37.732	ug/l	97
82) 4-Chlorotoluene	11.457	91	367911	43.114	ug/l	90
83) tert-Butylbenzene	11.713	119	428947	45.398	ug/l	93
84) 1,2,4-Trimethylbenzene	11.750	105	420878	45.237	ug/l	94
85) sec-Butylbenzene	11.890	105	513700	45.162	ug/l	94
86) p-Isopropyltoluene	12.012	119	464131	46.756	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	266945	47.915	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	271660	46.686	ug/l	96
89) n-Butylbenzene	12.335	91	343330	43.788	ug/l	96
90) Hexachloroethane	12.536	117	66756	37.278	ug/l	76
91) 1,2-Dichlorobenzene	12.335	146	262072	46.971	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	28501	42.534	ug/l	52
93) 1,2,4-Trichlorobenzene	13.591	180	179626	52.603	ug/l	97
94) Hexachlorobutadiene	13.725	225	73681	52.437	ug/l	99
95) Naphthalene	13.774	128	551611	51.859	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	178451	53.891	ug/l	98

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

