

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090622\
 Data File : VX031149.D
 Acq On : 06 Sep 2022 23:27
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/07/2022
 Supervised By : Mahesh Dadoda 09/07/2022

Quant Time: Sep 07 01:16:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090122W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 02 02:49:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	163296	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	265356	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	237149	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	124690	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	102164	48.624	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.240%
35) Dibromofluoromethane	5.391	113	97533	50.366	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.740%
50) Toluene-d8	8.653	98	329191	46.190	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.380%
62) 4-Bromofluorobenzene	11.079	95	130009	51.648	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	103.300%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	78832	46.917	ug/l	98
3) Chloromethane	1.288	50	60196	43.052	ug/l	96
4) Vinyl Chloride	1.374	62	77142	43.951	ug/l	97
5) Bromomethane	1.611	94	54847	69.897	ug/l	100
6) Chloroethane	1.685	64	37199	36.869	ug/l	94
7) Trichlorofluoromethane	1.886	101	169223	57.058	ug/l	95
8) Diethyl Ether	2.136	74	53611	51.830	ug/l	72
9) 1,1,2-Trichlorotrifluo...	2.331	101	101308	51.570	ug/l	88
10) Methyl Iodide	2.453	142	148605	76.523	ug/l	95
11) Tert butyl alcohol	2.995	59	130932	313.901	ug/l	98
12) 1,1-Dichloroethene	2.319	96	95671	50.431	ug/l	90
13) Acrolein	2.239	56	85606	222.649	ug/l	100
14) Allyl chloride	2.666	41	110639	43.915	ug/l #	80
15) Acrylonitrile	3.069	53	247672	251.419	ug/l	97
16) Acetone	2.392	43	213604	263.340	ug/l	97
17) Carbon Disulfide	2.508	76	198197	40.229	ug/l	98
18) Methyl Acetate	2.709	43	114086	48.946	ug/l #	84
19) Methyl tert-butyl Ether	3.117	73	338059	57.864	ug/l #	89
20) Methylene Chloride	2.788	84	103365	52.480	ug/l #	84
21) trans-1,2-Dichloroethene	3.093	96	101971	48.306	ug/l	88
22) Diisopropyl ether	3.770	45	243309	47.929	ug/l #	79
23) Vinyl Acetate	3.727	43	1043169	254.407	ug/l #	88
24) 1,1-Dichloroethane	3.611	63	169168	49.455	ug/l	98
25) 2-Butanone	4.568	43	310234	247.742	ug/l #	83
26) 2,2-Dichloropropane	4.483	77	126276	46.260	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	125319	52.969	ug/l	89
28) Bromochloromethane	4.910	49	39040	38.522	ug/l #	45
29) Tetrahydrofuran	5.013	42	186480	230.989	ug/l #	71
30) Chloroform	5.099	83	202894	54.089	ug/l	99
31) Cyclohexane	5.477	56	127497	44.421	ug/l #	84
32) 1,1,1-Trichloroethane	5.385	97	188923	58.753	ug/l	94
36) 1,1-Dichloropropene	5.696	75	130060	47.950	ug/l	95
37) Ethyl Acetate	4.721	43	118632	50.338	ug/l #	93
38) Carbon Tetrachloride	5.684	117	170389	60.518	ug/l	97
39) Methylcyclohexane	7.385	83	158423	47.127	ug/l	90
40) Benzene	6.038	78	399109	51.250	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
41) Methacrylonitrile	4.928	41	67938	54.070	ug/l	#	88
42) 1,2-Dichloroethane	6.092	62	153237	59.651	ug/l		98
43) Isopropyl Acetate	6.342	43	194731	52.869	ug/l	#	90
44) Trichloroethene	7.129	130	130663	53.010	ug/l		97
45) 1,2-Dichloropropane	7.434	63	96347	48.267	ug/l		96
46) Dibromomethane	7.586	93	80309	53.754	ug/l	#	88
47) Bromodichloromethane	7.824	83	159449	57.126	ug/l	#	94
48) Methyl methacrylate	7.696	41	110082	59.200	ug/l	#	83
49) 1,4-Dioxane	7.690	88	61652	1090.050	ug/l		92
51) 4-Methyl-2-Pentanone	8.580	43	605114	255.558	ug/l		88
52) Toluene	8.720	92	272532	53.964	ug/l		100
53) t-1,3-Dichloropropene	8.982	75	164917	59.673	ug/l		98
54) cis-1,3-Dichloropropene	8.366	75	181232	58.647	ug/l		95
55) 1,1,2-Trichloroethane	9.153	97	121231	56.464	ug/l		95
56) Ethyl methacrylate	9.116	69	172891	58.903	ug/l	#	86
57) 1,3-Dichloropropane	9.311	76	178069	52.454	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.244	63	339697	231.766	ug/l	#	85
59) 2-Hexanone	9.433	43	459402	256.565	ug/l		87
60) Dibromochloromethane	9.525	129	143312	64.284	ug/l		99
61) 1,2-Dibromoethane	9.610	107	137731	60.763	ug/l		98
64) Tetrachloroethene	9.275	164	111204	46.964	ug/l		97
65) Chlorobenzene	10.079	112	316935	55.958	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.165	131	131230	62.749	ug/l		95
67) Ethyl Benzene	10.195	91	541903	55.848	ug/l		98
68) m/p-Xylenes	10.305	106	427747	112.399	ug/l		98
69) o-Xylene	10.640	106	212475	56.928	ug/l		97
70) Styrene	10.659	104	359414	59.505	ug/l		99
71) Bromoform	10.799	173	109835	67.542	ug/l	#	97
73) Isopropylbenzene	10.963	105	567722	56.482	ug/l		100
74) N-amyl acetate	10.842	43	163000	53.725	ug/l	#	83
75) 1,1,2,2-Tetrachloroethane	11.213	83	171891	53.477	ug/l		99
76) 1,2,3-Trichloropropane	11.244	75	156143m	52.973	ug/l		
77) Bromobenzene	11.201	156	148390	57.260	ug/l		85
78) n-propylbenzene	11.305	91	639180	55.833	ug/l		97
79) 2-Chlorotoluene	11.366	91	381986	54.188	ug/l		97
80) 1,3,5-Trimethylbenzene	11.451	105	482567	57.050	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	52200	55.656	ug/l		94
82) 4-Chlorotoluene	11.457	91	439601	55.734	ug/l		98
83) tert-Butylbenzene	11.719	119	498333	59.193	ug/l		98
84) 1,2,4-Trimethylbenzene	11.756	105	487206	57.950	ug/l		97
85) sec-Butylbenzene	11.890	105	594962	53.955	ug/l		98
86) p-Isopropyltoluene	12.012	119	505888	57.929	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	273022	55.000	ug/l		99
88) 1,4-Dichlorobenzene	12.043	146	269817	54.578	ug/l		98
89) n-Butylbenzene	12.335	91	409179	51.965	ug/l		97
90) Hexachloroethane	12.536	117	99584	62.923	ug/l		90
91) 1,2-Dichlorobenzene	12.335	146	262021	51.465	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	47372	60.489	ug/l		87
93) 1,2,4-Trichlorobenzene	13.585	180	214591	66.598	ug/l		98
94) Hexachlorobutadiene	13.725	225	80800	57.272	ug/l		97
95) Naphthalene	13.774	128	737322	65.238	ug/l		99
96) 1,2,3-Trichlorobenzene	13.963	180	219674	64.993	ug/l		95

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

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