

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030323\
 Data File : VX034334.D
 Acq On : 03 Mar 2023 19:43
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/06/2023
 Supervised By : Mahesh Dadoda 03/06/2023

Quant Time: Mar 03 22:18:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 17 12:33:35 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	268967	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	455574	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	419853	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	218500	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	158139	43.656	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	87.320%		
35) Dibromofluoromethane	5.385	113	132619	44.710	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.420%		
50) Toluene-d8	8.647	98	486174	45.651	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	91.300%#		
62) 4-Bromofluorobenzene	11.079	95	200397	49.194	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.380%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	126313	54.348	ug/l	99
3) Chloromethane	1.301	50	180240	53.890	ug/l	98
4) Vinyl Chloride	1.374	62	184269	60.496	ug/l	99
5) Bromomethane	1.599	94	91398	83.580	ug/l	98
6) Chloroethane	1.685	64	106434	69.506	ug/l	100
7) Trichlorofluoromethane	1.886	101	272105	66.031	ug/l	99
8) Diethyl Ether	2.136	74	100852	60.747	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	142042	48.944	ug/l	96
10) Methyl Iodide	2.453	142	193932	54.884	ug/l	94
11) Tert butyl alcohol	2.959	59	184791	228.085	ug/l #	83
12) 1,1-Dichloroethene	2.319	96	144962	49.829	ug/l	95
13) Acrolein	2.233	56	103156	278.925	ug/l	98
14) Allyl chloride	2.666	41	285683	46.294	ug/l	91
15) Acrylonitrile	3.063	53	469198	265.468	ug/l	99
16) Acetone	2.380	43	373589	199.931	ug/l	93
17) Carbon Disulfide	2.514	76	392766	46.959	ug/l	98
18) Methyl Acetate	2.703	43	306016	52.927	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	532572	51.869	ug/l	99
20) Methylene Chloride	2.788	84	167911	49.872	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	161713	53.048	ug/l	99
22) Diisopropyl ether	3.757	45	596277	55.115	ug/l	98
23) Vinyl Acetate	3.721	43	2354375	271.622	ug/l	99
24) 1,1-Dichloroethane	3.611	63	307340	51.747	ug/l	98
25) 2-Butanone	4.556	43	670633	248.044	ug/l	98
26) 2,2-Dichloropropane	4.477	77	251711	46.784	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	192177	53.237	ug/l	97
28) Bromochloromethane	4.898	49	121215	45.751	ug/l	87
29) Tetrahydrofuran	5.001	42	443460	268.868	ug/l	99
30) Chloroform	5.093	83	312222	54.746	ug/l	100
31) Cyclohexane	5.471	56	285005	52.699	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	274357	53.665	ug/l	99
36) 1,1-Dichloropropene	5.696	75	230906	52.637	ug/l	98
37) Ethyl Acetate	4.715	43	268324	54.731	ug/l	99
38) Carbon Tetrachloride	5.678	117	234766	52.008	ug/l	99
39) Methylcyclohexane	7.379	83	278758	49.379	ug/l	98
40) Benzene	6.038	78	701203	53.939	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	149933	54.890	ug/l	99
42) 1,2-Dichloroethane	6.086	62	247606	54.155	ug/l	98
43) Isopropyl Acetate	6.336	43	461360	53.327	ug/l	99
44) Trichloroethene	7.123	130	180476	54.098	ug/l	92
45) 1,2-Dichloropropane	7.428	63	185962	53.735	ug/l	99
46) Dibromomethane	7.580	93	124698	54.750	ug/l	87
47) Bromodichloromethane	7.824	83	248584	53.184	ug/l	99
48) Methyl methacrylate	7.690	41	220621	53.728	ug/l	98
49) 1,4-Dioxane	7.659	88	83965	1025.158	ug/l #	99
51) 4-Methyl-2-Pentanone	8.574	43	1392950	292.645	ug/l	99
52) Toluene	8.720	92	446351	56.665	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	286795	53.306	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	301828	52.403	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	181138	56.970	ug/l	97
56) Ethyl methacrylate	9.116	69	302529	56.246	ug/l	96
57) 1,3-Dichloropropane	9.305	76	312475	56.486	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.245	63	589915	253.183	ug/l	95
59) 2-Hexanone	9.427	43	1056685	291.297	ug/l	98
60) Dibromochloromethane	9.519	129	197451	56.203	ug/l	100
61) 1,2-Dibromoethane	9.610	107	194100	57.723	ug/l	99
64) Tetrachloroethene	9.275	164	150438	50.768	ug/l	95
65) Chlorobenzene	10.080	112	480189	54.867	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	182738	53.936	ug/l	98
67) Ethyl Benzene	10.195	91	874705	55.632	ug/l	97
68) m/p-Xylenes	10.299	106	673107	111.867	ug/l	95
69) o-Xylene	10.640	106	336394	56.157	ug/l	95
70) Styrene	10.653	104	559171	57.396	ug/l	96
71) Bromoform	10.799	173	149101	53.914	ug/l	100
73) Isopropylbenzene	10.964	105	869509	52.215	ug/l	100
74) N-amyl acetate	10.842	43	446308	53.348	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	298662	52.437	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	246461m	44.827	ug/l	
77) Bromobenzene	11.195	156	209261	52.219	ug/l	83
78) n-propylbenzene	11.305	91	1024728	52.911	ug/l	97
79) 2-Chlorotoluene	11.366	91	628658	52.937	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	736372	52.596	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	100415	46.918	ug/l	95
82) 4-Chlorotoluene	11.457	91	719061	53.162	ug/l	95
83) tert-Butylbenzene	11.713	119	751165	52.386	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	745477	52.661	ug/l	97
85) sec-Butylbenzene	11.890	105	913665	52.470	ug/l	98
86) p-Isopropyltoluene	12.012	119	760542	52.775	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	391382	52.076	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	394525	52.045	ug/l	96
89) n-Butylbenzene	12.329	91	665897	51.880	ug/l	98
90) Hexachloroethane	12.536	117	149613	49.654	ug/l	79
91) 1,2-Dichlorobenzene	12.335	146	387246	52.663	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.945	75	66246	48.775	ug/l	76
93) 1,2,4-Trichlorobenzene	13.585	180	234817	49.740	ug/l	96
94) Hexachlorobutadiene	13.725	225	91714	46.863	ug/l	98
95) Naphthalene	13.774	128	821860	51.678	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	233636	49.849	ug/l	98

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

