

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030323\
 Data File : VX034308.D
 Acq On : 03 Mar 2023 09:16
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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

Quant Time: Mar 03 15:06:48 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	5.544	168	314860	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	525400	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	480126	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	248608	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	204844	48.307	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.620%		
35) Dibromofluoromethane	5.379	113	168969	49.394	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.780%		
50) Toluene-d8	8.647	98	622552	50.688	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	101.380%		
62) 4-Bromofluorobenzene	11.079	95	258449	55.013	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	110.020%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	140350	51.585	ug/l	99
3) Chloromethane	1.294	50	188829	48.229	ug/l	98
4) Vinyl Chloride	1.374	62	194020	54.413	ug/l	99
5) Bromomethane	1.599	94	107361	83.893	ug/l	96
6) Chloroethane	1.685	64	110534	61.662	ug/l	99
7) Trichlorofluoromethane	1.886	101	289215	59.953	ug/l	97
8) Diethyl Ether	2.130	74	105808	54.443	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.325	101	161892	47.653	ug/l	95
10) Methyl Iodide	2.453	142	200859	48.559	ug/l	95
11) Tert butyl alcohol	2.953	59	199514	210.363	ug/l #	83
12) 1,1-Dichloroethene	2.319	96	159107	46.720	ug/l	93
13) Acrolein	2.233	56	112454	259.747	ug/l	98
14) Allyl chloride	2.660	41	319132	44.177	ug/l	91
15) Acrylonitrile	3.056	53	485289	234.551	ug/l	99
16) Acetone	2.374	43	511499	233.837	ug/l	93
17) Carbon Disulfide	2.508	76	438397	44.774	ug/l	99
18) Methyl Acetate	2.697	43	319623	47.223	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	579861	48.243	ug/l	99
20) Methylene Chloride	2.788	84	180197	45.720	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	175705	49.237	ug/l	94
22) Diisopropyl ether	3.757	45	655353	51.746	ug/l	93
23) Vinyl Acetate	3.715	43	2557618	252.061	ug/l	99
24) 1,1-Dichloroethane	3.605	63	333667	47.991	ug/l	99
25) 2-Butanone	4.544	43	758134	239.537	ug/l	100
26) 2,2-Dichloropropane	4.471	77	292955	46.513	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	207854	49.187	ug/l	93
28) Bromochloromethane	4.898	49	151568	48.869	ug/l	86
29) Tetrahydrofuran	4.995	42	457778	237.094	ug/l	98
30) Chloroform	5.086	83	339825	50.901	ug/l	97
31) Cyclohexane	5.464	56	314582	49.689	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	297204	49.660	ug/l	99
36) 1,1-Dichloropropene	5.690	75	253588	50.125	ug/l	98
37) Ethyl Acetate	4.702	43	280948	49.690	ug/l	99
38) Carbon Tetrachloride	5.672	117	259264	49.802	ug/l	98
39) Methylcyclohexane	7.379	83	323860	49.744	ug/l	98
40) Benzene	6.031	78	752031	50.161	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	158969	50.463	ug/l	99
42) 1,2-Dichloroethane	6.080	62	272309	51.642	ug/l	97
43) Isopropyl Acetate	6.336	43	486641	48.774	ug/l	99
44) Trichloroethene	7.123	130	193004	50.165	ug/l	94
45) 1,2-Dichloropropane	7.428	63	198133	49.643	ug/l	100
46) Dibromomethane	7.580	93	134120	51.061	ug/l	88
47) Bromodichloromethane	7.818	83	269796	50.051	ug/l	98
48) Methyl methacrylate	7.690	41	232290	49.051	ug/l	97
49) 1,4-Dioxane	7.653	88	93089	985.507	ug/l #	99
51) 4-Methyl-2-Pentanone	8.568	43	1418393	258.387	ug/l	99
52) Toluene	8.714	92	482119	53.071	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	320889	51.716	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	331090	49.844	ug/l	94
55) 1,1,2-Trichloroethane	9.147	97	194524	53.050	ug/l	98
56) Ethyl methacrylate	9.116	69	324060	52.242	ug/l	96
57) 1,3-Dichloropropane	9.305	76	334379	52.413	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	657595	244.721	ug/l	95
59) 2-Hexanone	9.427	43	1111614	265.713	ug/l	98
60) Dibromochloromethane	9.519	129	214869	53.033	ug/l	100
61) 1,2-Dibromoethane	9.610	107	208284	53.709	ug/l	98
64) Tetrachloroethene	9.269	164	166223	49.053	ug/l	91
65) Chlorobenzene	10.079	112	514969	51.455	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	194975	50.324	ug/l	98
67) Ethyl Benzene	10.195	91	940697	52.318	ug/l	98
68) m/p-Xylenes	10.299	106	722654	105.024	ug/l	95
69) o-Xylene	10.640	106	355822	51.943	ug/l	93
70) Styrene	10.653	104	593507	53.273	ug/l	95
71) Bromoform	10.799	173	160079	50.617	ug/l #	99
73) Isopropylbenzene	10.963	105	924404	48.789	ug/l	100
74) N-amyl acetate	10.842	43	450964	47.376	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	305097	47.080	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	259843m	41.537	ug/l	
77) Bromobenzene	11.195	156	219034	48.038	ug/l	81
78) n-propylbenzene	11.305	91	1110243	50.384	ug/l	97
79) 2-Chlorotoluene	11.366	91	663064	49.073	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	789625	49.569	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.018	75	107831	44.281	ug/l	96
82) 4-Chlorotoluene	11.451	91	774682	50.338	ug/l	95
83) tert-Butylbenzene	11.713	119	784684	48.096	ug/l	93
84) 1,2,4-Trimethylbenzene	11.750	105	796226	49.435	ug/l	97
85) sec-Butylbenzene	11.890	105	1000014	50.474	ug/l	98
86) p-Isopropyltoluene	12.006	119	829080	50.564	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	426935	49.927	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	425253	49.304	ug/l	96
89) n-Butylbenzene	12.329	91	754968	51.696	ug/l	98
90) Hexachloroethane	12.536	117	163481	47.686	ug/l	77
91) 1,2-Dichlorobenzene	12.335	146	410849	49.106	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	68430	44.281	ug/l	74
93) 1,2,4-Trichlorobenzene	13.585	180	264915	49.319	ug/l	98
94) Hexachlorobutadiene	13.725	225	109547	49.196	ug/l	99
95) Naphthalene	13.774	128	861260	47.597	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	256816	48.159	ug/l	98

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

