

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101823\
 Data File : VX038347.D
 Acq On : 18 Oct 2023 08:55
 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 10/19/2023
 Supervised By : Mahesh Dadoda 10/20/2023

Quant Time: Oct 19 01:34:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 05 15:27:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	141367	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	236528	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	246391	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	145634	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	101268	44.537	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.080%		
35) Dibromofluoromethane	5.379	113	83920	49.239	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.480%		
50) Toluene-d8	8.647	98	323297	49.641	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.280%		
62) 4-Bromofluorobenzene	11.079	95	132664	53.731	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	107.460%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	67813	49.696	ug/l	98
3) Chloromethane	1.295	50	66754	47.998	ug/l	96
4) Vinyl Chloride	1.374	62	86033	55.793	ug/l	97
5) Bromomethane	1.593	94	112061	55.425	ug/l	100
6) Chloroethane	1.679	64	64727	56.673	ug/l	100
7) Trichlorofluoromethane	1.886	101	171493	56.305	ug/l	99
8) Diethyl Ether	2.130	74	60533	53.289	ug/l	77
9) 1,1,2-Trichlorotrifluo...	2.331	101	71553	53.813	ug/l	96
10) Methyl Iodide	2.453	142	90850	47.487	ug/l	94
11) Tert butyl alcohol	2.953	59	109271	216.202	ug/l	# 92
12) 1,1-Dichloroethene	2.319	96	67329	52.056	ug/l	87
13) Acrolein	2.233	56	50367	155.817	ug/l	100
14) Allyl chloride	2.660	41	108008	46.687	ug/l	# 91
15) Acrylonitrile	3.056	53	240448	232.371	ug/l	99
16) Acetone	2.374	43	279275	294.293	ug/l	92
17) Carbon Disulfide	2.508	76	172388	46.244	ug/l	98
18) Methyl Acetate	2.697	43	196179	48.207	ug/l	94
19) Methyl tert-butyl Ether	3.111	73	250321	48.595	ug/l	98
20) Methylene Chloride	2.788	84	79721	44.662	ug/l	90
21) trans-1,2-Dichloroethene	3.087	96	80241	50.106	ug/l	92
22) Diisopropyl ether	3.751	45	240206	49.541	ug/l	95
23) Vinyl Acetate	3.715	43	885787	249.117	ug/l	97
24) 1,1-Dichloroethane	3.605	63	139003	47.239	ug/l	100
25) 2-Butanone	4.544	43	377090	246.281	ug/l	94
26) 2,2-Dichloropropane	4.471	77	117966	51.349	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	95436	50.039	ug/l	90
28) Bromochloromethane	4.891	49	67108	50.520	ug/l	86
29) Tetrahydrofuran	4.995	42	232820	233.552	ug/l	90
30) Chloroform	5.093	83	166031	51.599	ug/l	100
31) Cyclohexane	5.465	56	122537	49.741	ug/l	90
32) 1,1,1-Trichloroethane	5.379	97	140125	50.842	ug/l	99
36) 1,1-Dichloropropene	5.690	75	118522	50.430	ug/l	98
37) Ethyl Acetate	4.702	43	134128	48.053	ug/l	97
38) Carbon Tetrachloride	5.672	117	122090	52.806	ug/l	100
39) Methylcyclohexane	7.379	83	147844	53.705	ug/l	93
40) Benzene	6.038	78	338028	51.423	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	66856	48.148	ug/l #	86
42) 1,2-Dichloroethane	6.080	62	131503	50.070	ug/l	99
43) Isopropyl Acetate	6.330	43	207606	49.823	ug/l	97
44) Trichloroethene	7.123	130	93223	54.221	ug/l	100
45) 1,2-Dichloropropane	7.428	63	86912	51.084	ug/l	99
46) Dibromomethane	7.580	93	68904	52.218	ug/l	97
47) Bromodichloromethane	7.818	83	128944	54.930	ug/l	99
48) Methyl methacrylate	7.690	41	101601	51.076	ug/l #	84
49) 1,4-Dioxane	7.653	88	44049	898.629	ug/l #	88
51) 4-Methyl-2-Pentanone	8.568	43	752444	261.799	ug/l	97
52) Toluene	8.714	92	236906	55.326	ug/l	94
53) t-1,3-Dichloropropene	8.976	75	143153	56.813	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	146125	55.197	ug/l	91
55) 1,1,2-Trichloroethane	9.147	97	100083	54.644	ug/l	95
56) Ethyl methacrylate	9.116	69	150891	53.733	ug/l	93
57) 1,3-Dichloropropane	9.305	76	161160	54.404	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	329542	239.073	ug/l	99
59) 2-Hexanone	9.427	43	630459	272.857	ug/l	94
60) Dibromochloromethane	9.519	129	106204	59.247	ug/l	99
61) 1,2-Dibromoethane	9.610	107	111603	56.347	ug/l	100
64) Tetrachloroethene	9.275	164	82904	51.975	ug/l	98
65) Chlorobenzene	10.080	112	266347	51.659	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	97066	55.674	ug/l	98
67) Ethyl Benzene	10.195	91	483514	52.538	ug/l	99
68) m/p-Xylenes	10.299	106	378541	106.376	ug/l	99
69) o-Xylene	10.640	106	184793	53.207	ug/l	99
70) Styrene	10.653	104	310951	54.977	ug/l	97
71) Bromoform	10.799	173	81729	50.501	ug/l #	99
73) Isopropylbenzene	10.964	105	496340	50.820	ug/l	99
74) N-amyl acetate	10.842	43	203141	48.707	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	179827	50.178	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	167488m	50.588	ug/l	
77) Bromobenzene	11.195	156	121601	50.997	ug/l	90
78) n-propylbenzene	11.305	91	598481	50.115	ug/l	100
79) 2-Chlorotoluene	11.366	91	342784	48.400	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	429835	51.013	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	50171	44.712	ug/l	93
82) 4-Chlorotoluene	11.451	91	416177	49.659	ug/l	97
83) tert-Butylbenzene	11.713	119	423509	51.438	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	428958	51.059	ug/l	98
85) sec-Butylbenzene	11.890	105	551594	51.718	ug/l	100
86) p-Isopropyltoluene	12.006	119	461503	52.447	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	241660	50.458	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	246961	50.508	ug/l	98
89) n-Butylbenzene	12.329	91	451877	51.564	ug/l	96
90) Hexachloroethane	12.536	117	78739	53.969	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	235539	51.164	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	42368	48.896	ug/l	84
93) 1,2,4-Trichlorobenzene	13.585	180	153656	49.764	ug/l	98
94) Hexachlorobutadiene	13.725	225	67414	54.245	ug/l	98
95) Naphthalene	13.774	128	519119	48.278	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	150747	50.422	ug/l	98

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

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