

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102423\
 Data File : VX038448.D
 Acq On : 24 Oct 2023 11:50
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/25/2023
 Supervised By : Mahesh Dadoda 10/25/2023

Quant Time: Oct 25 06:05:51 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	168435	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	271873	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	262350	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	154002	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	115089	42.481	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	84.960%		
35) Dibromofluoromethane	5.379	113	101483	51.803	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.600%		
50) Toluene-d8	8.647	98	358177	47.847	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.700%		
62) 4-Bromofluorobenzene	11.079	95	143920	50.712	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.420%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	95362	58.654	ug/l	99
3) Chloromethane	1.295	50	84806	51.178	ug/l	97
4) Vinyl Chloride	1.374	62	95994	52.248	ug/l	97
5) Bromomethane	1.599	94	121686	50.437	ug/l	97
6) Chloroethane	1.679	64	66031	49.200	ug/l	96
7) Trichlorofluoromethane	1.886	101	182583	50.312	ug/l	100
8) Diethyl Ether	2.130	74	63639	47.020	ug/l	77
9) 1,1,2-Trichlorotrifluo...	2.325	101	99141	62.579	ug/l	97
10) Methyl Iodide	2.453	142	123939	54.372	ug/l	94
11) Tert butyl alcohol	2.953	59	146553	244.827	ug/l	# 92
12) 1,1-Dichloroethene	2.319	96	90247	58.562	ug/l	83
13) Acrolein	2.233	56	108984	282.974	ug/l	100
14) Allyl chloride	2.660	41	138144	50.117	ug/l	# 94
15) Acrylonitrile	3.056	53	306757	248.812	ug/l	99
16) Acetone	2.374	43	299078	264.514	ug/l	92
17) Carbon Disulfide	2.508	76	211085	47.525	ug/l	100
18) Methyl Acetate	2.697	43	254798	52.550	ug/l	# 90
19) Methyl tert-butyl Ether	3.111	73	322734	52.584	ug/l	98
20) Methylene Chloride	2.788	84	106054	49.866	ug/l	# 85
21) trans-1,2-Dichloroethene	3.087	96	102320	53.626	ug/l	88
22) Diisopropyl ether	3.757	45	290455	50.278	ug/l	# 87
23) Vinyl Acetate	3.715	43	1052704	248.483	ug/l	# 94
24) 1,1-Dichloroethane	3.605	63	177793	50.712	ug/l	98
25) 2-Butanone	4.544	43	445764	244.347	ug/l	93
26) 2,2-Dichloropropane	4.471	77	148668	54.313	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	121617	53.519	ug/l	87
28) Bromochloromethane	4.891	49	71488	45.169	ug/l	# 76
29) Tetrahydrofuran	4.995	42	274380	231.011	ug/l	# 86
30) Chloroform	5.093	83	204344	53.300	ug/l	97
31) Cyclohexane	5.465	56	143694	48.955	ug/l	90
32) 1,1,1-Trichloroethane	5.379	97	176003	53.598	ug/l	97
36) 1,1-Dichloropropene	5.690	75	141367	52.330	ug/l	96
37) Ethyl Acetate	4.709	43	160760	50.107	ug/l	97
38) Carbon Tetrachloride	5.678	117	154452	58.119	ug/l	96
39) Methylcyclohexane	7.379	83	177577	56.120	ug/l	92
40) Benzene	6.038	78	413272	54.696	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	82537	51.714	ug/l #	88
42) 1,2-Dichloroethane	6.086	62	155328	51.453	ug/l	97
43) Isopropyl Acetate	6.336	43	245691	51.298	ug/l #	95
44) Trichloroethene	7.123	130	119242	60.338	ug/l	97
45) 1,2-Dichloropropane	7.428	63	106625	54.523	ug/l	97
46) Dibromomethane	7.580	93	83944	55.345	ug/l	94
47) Bromodichloromethane	7.818	83	155193	57.517	ug/l	98
48) Methyl methacrylate	7.690	41	119213	52.139	ug/l #	84
49) 1,4-Dioxane	7.659	88	55780	990.010	ug/l #	84
51) 4-Methyl-2-Pentanone	8.574	43	858107	259.748	ug/l	95
52) Toluene	8.720	92	276377	56.152	ug/l	94
53) t-1,3-Dichloropropene	8.976	75	166771	57.582	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	174826	57.454	ug/l #	89
55) 1,1,2-Trichloroethane	9.153	97	119294	56.665	ug/l	97
56) Ethyl methacrylate	9.116	69	178275	55.231	ug/l	90
57) 1,3-Dichloropropane	9.305	76	187282	55.003	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	413707	261.113	ug/l	96
59) 2-Hexanone	9.427	43	701838	264.260	ug/l	93
60) Dibromochloromethane	9.519	129	127948	62.098	ug/l	99
61) 1,2-Dibromoethane	9.610	107	130166	57.175	ug/l	99
64) Tetrachloroethene	9.275	164	100698	59.291	ug/l	97
65) Chlorobenzene	10.080	112	314780	57.339	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	116041	62.509	ug/l	99
67) Ethyl Benzene	10.195	91	555922	56.731	ug/l	98
68) m/p-Xylenes	10.299	106	435624	114.970	ug/l	97
69) o-Xylene	10.640	106	211672	57.239	ug/l	97
70) Styrene	10.653	104	357915	59.431	ug/l	95
71) Bromoform	10.799	173	96835	55.873	ug/l #	100
73) Isopropylbenzene	10.964	105	567263	54.926	ug/l	98
74) N-amyl acetate	10.842	43	231581	52.508	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	205253	54.161	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	187571m	53.576	ug/l	
77) Bromobenzene	11.195	156	142240	56.412	ug/l	87
78) n-propylbenzene	11.305	91	682035	54.008	ug/l	99
79) 2-Chlorotoluene	11.366	91	390492	52.140	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	491281	55.137	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	57017	47.751	ug/l	92
82) 4-Chlorotoluene	11.451	91	465674	52.546	ug/l	95
83) tert-Butylbenzene	11.713	119	491336	56.434	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	491034	55.272	ug/l	97
85) sec-Butylbenzene	11.890	105	636322	56.421	ug/l	99
86) p-Isopropyltoluene	12.006	119	533662	57.352	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	286249	56.521	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	287151	55.537	ug/l	97
89) n-Butylbenzene	12.329	91	505688	54.568	ug/l	97
90) Hexachloroethane	12.536	117	90233	58.487	ug/l	91
91) 1,2-Dichlorobenzene	12.335	146	276729	56.845	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.939	75	46810	51.087	ug/l	74
93) 1,2,4-Trichlorobenzene	13.585	180	191173	58.550	ug/l	97
94) Hexachlorobutadiene	13.725	225	83750	63.729	ug/l	99
95) Naphthalene	13.774	128	615913	54.167	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	184234	58.274	ug/l	98

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

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