

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102323\
 Data File : VX038419.D
 Acq On : 23 Oct 2023 09:56
 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 10/24/2023
 Supervised By : Semsettin Yesilyurt 10/24/2023

Quant Time: Oct 23 23:56:41 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	146089	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	249817	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	250161	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	142572	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	117711	50.095	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.200%			
35) Dibromofluoromethane	5.379	113	96845	53.800	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.600%			
50) Toluene-d8	8.647	98	333866	48.537	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.080%			
62) 4-Bromofluorobenzene	11.079	95	134920	51.738	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.480%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	76194	54.033	ug/l	98
3) Chloromethane	1.294	50	75339	52.420	ug/l	97
4) Vinyl Chloride	1.374	62	79343	49.791	ug/l	99
5) Bromomethane	1.593	94	151471	72.763	ug/l	100
6) Chloroethane	1.685	64	56610	48.676	ug/l	96
7) Trichlorofluoromethane	1.886	101	146808	46.642	ug/l	99
8) Diethyl Ether	2.130	74	59564	50.741	ug/l	80
9) 1,1,2-Trichlorotrifluo...	2.325	101	76117	55.395	ug/l	99
10) Methyl Iodide	2.453	142	106365	53.800	ug/l	94
11) Tert butyl alcohol	2.953	59	141762	274.386	ug/l	# 92
12) 1,1-Dichloroethene	2.319	96	71219	53.284	ug/l	85
13) Acrolein	2.233	56	96763	289.673	ug/l	99
14) Allyl chloride	2.660	41	123776	51.774	ug/l	# 94
15) Acrylonitrile	3.056	53	290818	271.965	ug/l	99
16) Acetone	2.374	43	286725	292.378	ug/l	92
17) Carbon Disulfide	2.508	76	180076	46.745	ug/l	98
18) Methyl Acetate	2.697	43	241171	57.347	ug/l	92
19) Methyl tert-butyl Ether	3.111	73	302042	56.740	ug/l	96
20) Methylene Chloride	2.788	84	97292	52.744	ug/l	88
21) trans-1,2-Dichloroethene	3.093	96	86234	52.108	ug/l	87
22) Diisopropyl ether	3.757	45	271317	54.149	ug/l	# 87
23) Vinyl Acetate	3.715	43	1017258	276.844	ug/l	96
24) 1,1-Dichloroethane	3.605	63	158284	52.053	ug/l	98
25) 2-Butanone	4.544	43	418522	264.506	ug/l	90
26) 2,2-Dichloropropane	4.471	77	128092	53.954	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	107503	54.544	ug/l	89
28) Bromochloromethane	4.891	49	72317	52.682	ug/l	# 82
29) Tetrahydrofuran	4.995	42	262526	254.839	ug/l	87
30) Chloroform	5.086	83	181766	54.663	ug/l	93
31) Cyclohexane	5.464	56	115656	45.430	ug/l	89
32) 1,1,1-Trichloroethane	5.379	97	146600	51.472	ug/l	98
36) 1,1-Dichloropropene	5.690	75	118696	47.817	ug/l	97
37) Ethyl Acetate	4.702	43	152402	51.696	ug/l	97
38) Carbon Tetrachloride	5.672	117	126848	51.946	ug/l	99
39) Methylcyclohexane	7.379	83	140125	48.193	ug/l	92
40) Benzene	6.031	78	366500	52.788	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	79483	54.197	ug/l #	88
42) 1,2-Dichloroethane	6.080	62	146751	52.904	ug/l	98
43) Isopropyl Acetate	6.330	43	237024	53.857	ug/l	96
44) Trichloroethene	7.123	130	98751	54.381	ug/l	98
45) 1,2-Dichloropropane	7.427	63	98187	54.641	ug/l	100
46) Dibromomethane	7.580	93	78981	56.671	ug/l	96
47) Bromodichloromethane	7.818	83	144456	58.265	ug/l	98
48) Methyl methacrylate	7.690	41	114403	54.453	ug/l #	84
49) 1,4-Dioxane	7.659	88	50951	984.142	ug/l #	88
51) 4-Methyl-2-Pentanone	8.568	43	828239	272.841	ug/l	96
52) Toluene	8.714	92	240855	53.256	ug/l	95
53) t-1,3-Dichloropropene	8.976	75	156248	58.712	ug/l	98
54) cis-1,3-Dichloropropene	8.360	75	163869	58.607	ug/l	91
55) 1,1,2-Trichloroethane	9.147	97	111904	57.848	ug/l	95
56) Ethyl methacrylate	9.116	69	167968	56.632	ug/l	91
57) 1,3-Dichloropropane	9.305	76	177457	56.719	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	380594	261.422	ug/l	98
59) 2-Hexanone	9.427	43	675786	276.916	ug/l	94
60) Dibromochloromethane	9.519	129	117409	62.014	ug/l	99
61) 1,2-Dibromoethane	9.610	107	121827	58.237	ug/l	100
64) Tetrachloroethene	9.275	164	81783	50.500	ug/l	98
65) Chlorobenzene	10.079	112	275019	52.537	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	101963	57.602	ug/l	98
67) Ethyl Benzene	10.189	91	474887	50.823	ug/l	100
68) m/p-Xylenes	10.299	106	369537	102.280	ug/l	97
69) o-Xylene	10.640	106	182979	51.891	ug/l	98
70) Styrene	10.653	104	312467	54.412	ug/l	96
71) Bromoform	10.799	173	91144	55.189	ug/l #	99
73) Isopropylbenzene	10.963	105	466246	48.764	ug/l	99
74) N-amyl acetate	10.842	43	217485	53.266	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	193248	55.081	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	180756m	55.768	ug/l	
77) Bromobenzene	11.195	156	123930	53.090	ug/l	89
78) n-propylbenzene	11.305	91	560589	47.950	ug/l	100
79) 2-Chlorotoluene	11.360	91	335207	48.347	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	416066	50.439	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	56326	50.683	ug/l	88
82) 4-Chlorotoluene	11.451	91	401337	48.917	ug/l	96
83) tert-Butylbenzene	11.713	119	403193	50.022	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	421072	51.197	ug/l	99
85) sec-Butylbenzene	11.890	105	511866	49.024	ug/l	99
86) p-Isopropyltoluene	12.006	119	434364	50.423	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	239597	51.102	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	247121	51.627	ug/l	98
89) n-Butylbenzene	12.329	91	416532	48.551	ug/l	97
90) Hexachloroethane	12.536	117	74929	52.461	ug/l	92
91) 1,2-Dichlorobenzene	12.335	146	240861	53.444	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	45177	53.258	ug/l	80
93) 1,2,4-Trichlorobenzene	13.585	180	161217	53.334	ug/l	97
94) Hexachlorobutadiene	13.725	225	65664	53.972	ug/l	98
95) Naphthalene	13.774	128	559873	53.186	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	159541	54.509	ug/l	97

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

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