

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101723\
 Data File : VX038317.D
 Acq On : 17 Oct 2023 10:13
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 18 03:53:12 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

Manual Integrations APPROVED

Reviewed By : John Carlone 10/18/2023
 Supervised By : Semsettin Yesilyurt 10/20/2023

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	132368	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	222399	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	226079	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	133079	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	105576	49.588	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.180%
35) Dibromofluoromethane	5.385	113	84072	52.462	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.920%
50) Toluene-d8	8.647	98	325954	53.229	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	106.460%
62) 4-Bromofluorobenzene	11.079	95	130428	56.182	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	112.360%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.166	85	61035	47.770	ug/l	100
3) Chloromethane	1.294	50	64021	49.162	ug/l	98
4) Vinyl Chloride	1.374	62	84100	58.247	ug/l	98
5) Bromomethane	1.599	94	137187	72.732	ug/l	100
6) Chloroethane	1.678	64	62648	58.384	ug/l	99
7) Trichlorofluoromethane	1.886	101	164986	57.851	ug/l	97
8) Diethyl Ether	2.130	74	56216	52.853	ug/l	80
9) 1,1,2-Trichlorotrifluo...	2.325	101	66561	53.462	ug/l	98
10) Methyl Iodide	2.453	142	88793	49.567	ug/l	94
11) Tert butyl alcohol	2.959	59	101585	214.576	ug/l	# 91
12) 1,1-Dichloroethene	2.319	96	63105	52.107	ug/l	86
13) Acrolein	2.233	56	67795	223.991	ug/l	99
14) Allyl chloride	2.660	41	101633	46.918	ug/l	# 92
15) Acrylonitrile	3.062	53	228758	236.104	ug/l	99
16) Acetone	2.373	43	248795	279.998	ug/l	96
17) Carbon Disulfide	2.508	76	163016	46.703	ug/l	99
18) Methyl Acetate	2.697	43	186992	49.073	ug/l	93
19) Methyl tert-butyl Ether	3.111	73	230694	47.829	ug/l	99
20) Methylene Chloride	2.788	84	77567	46.409	ug/l	# 86
21) trans-1,2-Dichloroethene	3.087	96	75458	50.323	ug/l	92
22) Diisopropyl ether	3.757	45	222066	48.914	ug/l	# 89
23) Vinyl Acetate	3.721	43	817635	245.583	ug/l	96
24) 1,1-Dichloroethane	3.605	63	134124	48.680	ug/l	100
25) 2-Butanone	4.550	43	351274	245.018	ug/l	92
26) 2,2-Dichloropropane	4.477	77	105382	48.989	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	88481	49.546	ug/l	91
28) Bromochloromethane	4.891	49	66005	53.068	ug/l	85
29) Tetrahydrofuran	4.995	42	221489	237.291	ug/l	89
30) Chloroform	5.093	83	155053	51.463	ug/l	96
31) Cyclohexane	5.470	56	115782	50.194	ug/l	90
32) 1,1,1-Trichloroethane	5.379	97	133677	51.800	ug/l	99
36) 1,1-Dichloropropene	5.690	75	111763	50.575	ug/l	97
37) Ethyl Acetate	4.708	43	127778	48.686	ug/l	98
38) Carbon Tetrachloride	5.678	117	113775	52.336	ug/l	98
39) Methylcyclohexane	7.379	83	140094	54.123	ug/l	93
40) Benzene	6.037	78	325486	52.660	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	65054	49.827	ug/l #	88
42) 1,2-Dichloroethane	6.086	62	125635	50.875	ug/l	99
43) Isopropyl Acetate	6.336	43	194314	49.596	ug/l	97
44) Trichloroethene	7.123	130	89364	55.279	ug/l	99
45) 1,2-Dichloropropane	7.427	63	82945	51.850	ug/l	97
46) Dibromomethane	7.580	93	65659	52.920	ug/l	97
47) Bromodichloromethane	7.818	83	121372	54.989	ug/l	100
48) Methyl methacrylate	7.690	41	96099	51.380	ug/l #	83
49) 1,4-Dioxane	7.659	88	44834	972.751	ug/l #	88
51) 4-Methyl-2-Pentanone	8.574	43	710482	262.904	ug/l	97
52) Toluene	8.720	92	221444	55.000	ug/l	93
53) t-1,3-Dichloropropene	8.976	75	130531	55.095	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	137152	55.099	ug/l	92
55) 1,1,2-Trichloroethane	9.147	97	92846	53.913	ug/l	96
56) Ethyl methacrylate	9.116	69	140349	53.154	ug/l	91
57) 1,3-Dichloropropane	9.305	76	151141	54.263	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	315910	243.743	ug/l	99
59) 2-Hexanone	9.427	43	590125	271.627	ug/l	95
60) Dibromochloromethane	9.519	129	97495	57.844	ug/l	100
61) 1,2-Dibromoethane	9.610	107	104056	55.874	ug/l	99
64) Tetrachloroethene	9.275	164	77682	53.077	ug/l	97
65) Chlorobenzene	10.079	112	245853	51.969	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	89676	56.057	ug/l	99
67) Ethyl Benzene	10.195	91	453888	53.750	ug/l	100
68) m/p-Xylenes	10.299	106	356623	109.220	ug/l	98
69) o-Xylene	10.640	106	172282	54.061	ug/l	99
70) Styrene	10.652	104	291290	56.128	ug/l	97
71) Bromoform	10.799	173	74038	49.896	ug/l #	100
73) Isopropylbenzene	10.963	105	457597	51.273	ug/l	99
74) N-amyl acetate	10.841	43	190055	49.868	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	169514	51.763	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	154254m	50.987	ug/l	
77) Bromobenzene	11.195	156	111861	51.339	ug/l	92
78) n-propylbenzene	11.305	91	565047	51.779	ug/l	99
79) 2-Chlorotoluene	11.366	91	321879	49.736	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	403454	52.399	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	46315	45.129	ug/l	94
82) 4-Chlorotoluene	11.451	91	384590	50.219	ug/l	96
83) tert-Butylbenzene	11.713	119	390797	51.943	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	401589	52.311	ug/l	99
85) sec-Butylbenzene	11.890	105	509756	52.305	ug/l	100
86) p-Isopropyltoluene	12.006	119	426646	53.060	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	223825	51.144	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	228453	51.131	ug/l	98
89) n-Butylbenzene	12.329	91	408859	51.056	ug/l	97
90) Hexachloroethane	12.536	117	72084	54.069	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	217272	51.649	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	40068	50.604	ug/l	85
93) 1,2,4-Trichlorobenzene	13.585	180	144602	51.250	ug/l	96
94) Hexachlorobutadiene	13.725	225	61626	54.266	ug/l	99
95) Naphthalene	13.774	128	481947	49.049	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	137917	50.483	ug/l	97

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

