

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062823\
 Data File : VX036364.D
 Acq On : 28 Jun 2023 16:56
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/29/2023
 Supervised By : Mahesh Dadoda 06/29/2023

Quant Time: Jun 29 01:29:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 15:03:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	193089	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	335484	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	310166	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	149555	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	144599	52.243	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.480%			
35) Dibromofluoromethane	5.379	113	115761	52.331	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.660%			
50) Toluene-d8	8.647	98	407110	49.274	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.540%			
62) 4-Bromofluorobenzene	11.079	95	153216	52.648	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.300%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	81126	44.379	ug/l	98
3) Chloromethane	1.294	50	132385	41.747	ug/l	98
4) Vinyl Chloride	1.374	62	207896	59.966	ug/l	98
5) Bromomethane	1.617	94	187553	73.933	ug/l	100
6) Chloroethane	1.685	64	108320	42.560	ug/l	96
7) Trichlorofluoromethane	1.886	101	222672	42.246	ug/l	99
8) Diethyl Ether	2.130	74	99618	48.960	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.325	101	101177	45.738	ug/l	97
10) Methyl Iodide	2.447	142	135164	50.427	ug/l	93
11) Tert butyl alcohol	2.983	59	151819	301.338	ug/l #	95
12) 1,1-Dichloroethene	2.319	96	102146	46.548	ug/l	88
13) Acrolein	2.239	56	169998	245.689	ug/l	98
14) Allyl chloride	2.660	41	187089	52.462	ug/l	97
15) Acrylonitrile	3.062	53	347244	271.915	ug/l	99
16) Acetone	2.386	43	322800	272.858	ug/l	94
17) Carbon Disulfide	2.508	76	227503	42.213	ug/l	99
18) Methyl Acetate	2.703	43	268231	55.136	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	396913	55.969	ug/l	98
20) Methylene Chloride	2.788	84	126922	49.828	ug/l	92
21) trans-1,2-Dichloroethene	3.087	96	110651	47.253	ug/l	95
22) Diisopropyl ether	3.757	45	390362	54.628	ug/l #	84
23) Vinyl Acetate	3.715	43	1476825	284.783	ug/l	98
24) 1,1-Dichloroethane	3.605	63	218352	51.849	ug/l	99
25) 2-Butanone	4.556	43	485451	285.596	ug/l	96
26) 2,2-Dichloropropane	4.471	77	176509	59.096	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	138323	52.672	ug/l	93
28) Bromochloromethane	4.891	49	109743	50.246	ug/l	92
29) Tetrahydrofuran	5.001	42	300837	277.989	ug/l	93
30) Chloroform	5.086	83	227743	53.691	ug/l	96
31) Cyclohexane	5.464	56	152652	43.038	ug/l	91
32) 1,1,1-Trichloroethane	5.379	97	187868	53.023	ug/l	99
36) 1,1-Dichloropropene	5.690	75	153750	46.628	ug/l	98
37) Ethyl Acetate	4.708	43	185419	55.172	ug/l	98
38) Carbon Tetrachloride	5.672	117	158936	52.774	ug/l	95
39) Methylcyclohexane	7.373	83	160385	40.609	ug/l	95
40) Benzene	6.031	78	474255	51.487	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	104751	56.186	ug/l	94
42) 1,2-Dichloroethane	6.080	62	189135	53.984	ug/l	98
43) Isopropyl Acetate	6.336	43	309618	57.751	ug/l	97
44) Trichloroethene	7.123	130	125605	49.025	ug/l	96
45) 1,2-Dichloropropane	7.427	63	132568	52.844	ug/l	98
46) Dibromomethane	7.580	93	96225	54.490	ug/l	93
47) Bromodichloromethane	7.818	83	181148	56.725	ug/l	98
48) Methyl methacrylate	7.690	41	153263	57.334	ug/l	92
49) 1,4-Dioxane	7.702	88	66983	1130.314	ug/l #	90
51) 4-Methyl-2-Pentanone	8.574	43	974280	282.064	ug/l	99
52) Toluene	8.714	92	294088	50.379	ug/l	93
53) t-1,3-Dichloropropene	8.976	75	201840	62.570	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	217818	59.732	ug/l	93
55) 1,1,2-Trichloroethane	9.147	97	136172	56.129	ug/l	96
56) Ethyl methacrylate	9.116	69	213550	58.849	ug/l	94
57) 1,3-Dichloropropane	9.305	76	224488	53.992	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	558567	273.898	ug/l	100
59) 2-Hexanone	9.427	43	725296	287.545	ug/l	96
60) Dibromochloromethane	9.518	129	140991	59.814	ug/l	99
61) 1,2-Dibromoethane	9.610	107	144065	55.955	ug/l	99
64) Tetrachloroethene	9.275	164	107709	49.181	ug/l	95
65) Chlorobenzene	10.079	112	338956	51.986	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	128861	58.470	ug/l	99
67) Ethyl Benzene	10.195	91	584126	50.393	ug/l	99
68) m/p-Xylenes	10.299	106	447236	99.308	ug/l	98
69) o-Xylene	10.640	106	225709	51.900	ug/l	98
70) Styrene	10.652	104	375171	52.688	ug/l	97
71) Bromoform	10.799	173	102288	64.708	ug/l #	100
73) Isopropylbenzene	10.963	105	554735	49.220	ug/l	98
74) N-amyl acetate	10.841	43	266564	59.794	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	208828	54.715	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	174248m	54.622	ug/l	
77) Bromobenzene	11.195	156	145271	52.419	ug/l	92
78) n-propylbenzene	11.305	91	637685	48.447	ug/l	99
79) 2-Chlorotoluene	11.366	91	392159	50.084	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	470729	49.318	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	64530	65.940	ug/l	91
82) 4-Chlorotoluene	11.451	91	459737	50.432	ug/l	96
83) tert-Butylbenzene	11.713	119	448879	49.072	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	475082	50.311	ug/l	98
85) sec-Butylbenzene	11.890	105	538889	46.503	ug/l	99
86) p-Isopropyltoluene	12.006	119	463799	47.690	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	260623	51.150	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	263779	50.841	ug/l	98
89) n-Butylbenzene	12.329	91	405882	46.895	ug/l	97
90) Hexachloroethane	12.536	117	75807	51.465	ug/l	89
91) 1,2-Dichlorobenzene	12.335	146	262954	52.411	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.939	75	44731	61.703	ug/l	84
93) 1,2,4-Trichlorobenzene	13.585	180	165401	53.523	ug/l	97
94) Hexachlorobutadiene	13.725	225	58863	46.509	ug/l	97
95) Naphthalene	13.774	128	586519	57.450	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	164058	54.424	ug/l	97

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

