

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX063023\
 Data File : VX036393.D
 Acq On : 30 Jun 2023 16:32
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/06/2023
 Supervised By : Mahesh Dadoda 07/07/2023

Quant Time: Jul 01 01:23:00 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	196889	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	339130	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	305244	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	146284	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	142070	50.339	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.680%			
35) Dibromofluoromethane	5.379	113	116015	51.882	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.760%			
50) Toluene-d8	8.647	98	411983	49.328	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.660%			
62) 4-Bromofluorobenzene	11.079	95	150600	51.193	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.380%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	85953	46.112	ug/l	96
3) Chloromethane	1.294	50	121163	37.471	ug/l	99
4) Vinyl Chloride	1.374	62	187896	53.151	ug/l	100
5) Bromomethane	1.618	94	161785	62.544	ug/l	99
6) Chloroethane	1.691	64	123688	47.660	ug/l	97
7) Trichlorofluoromethane	1.886	101	235932	43.898	ug/l	98
8) Diethyl Ether	2.130	74	95065	45.820	ug/l	85
9) 1,1,2-Trichlorotrifluo...	2.325	101	110124	48.821	ug/l	96
10) Methyl Iodide	2.453	142	127889	46.792	ug/l	92
11) Tert butyl alcohol	2.995	59	143442	279.216	ug/l	97
12) 1,1-Dichloroethene	2.319	96	104094	46.521	ug/l	88
13) Acrolein	2.239	56	135447	191.976	ug/l	100
14) Allyl chloride	2.660	41	176059	48.416	ug/l	96
15) Acrylonitrile	3.068	53	308899	237.220	ug/l	98
16) Acetone	2.392	43	272079	225.545	ug/l	95
17) Carbon Disulfide	2.508	76	225482	41.031	ug/l	98
18) Methyl Acetate	2.703	43	246357	49.662	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	371745	51.408	ug/l	99
20) Methylene Chloride	2.788	84	120453	46.375	ug/l	92
21) trans-1,2-Dichloroethene	3.087	96	109628	45.913	ug/l	93
22) Diisopropyl ether	3.757	45	369421	50.699	ug/l #	84
23) Vinyl Acetate	3.721	43	1359715	257.140	ug/l	97
24) 1,1-Dichloroethane	3.605	63	211675	49.293	ug/l	99
25) 2-Butanone	4.556	43	426571	246.112	ug/l	96
26) 2,2-Dichloropropane	4.471	77	167595	55.029	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	133887	49.998	ug/l	93
28) Bromochloromethane	4.897	49	100392	45.078	ug/l	87
29) Tetrahydrofuran	5.001	42	269383	244.120	ug/l	94
30) Chloroform	5.086	83	223101	51.582	ug/l	97
31) Cyclohexane	5.464	56	163687	45.259	ug/l	93
32) 1,1,1-Trichloroethane	5.379	97	187708	51.956	ug/l	99
36) 1,1-Dichloropropene	5.684	75	153987	46.197	ug/l	97
37) Ethyl Acetate	4.708	43	170673	50.238	ug/l	99
38) Carbon Tetrachloride	5.672	117	159492	52.390	ug/l	98
39) Methylcyclohexane	7.379	83	183098	45.862	ug/l	94
40) Benzene	6.031	78	459214	49.318	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	94964	50.389	ug/l	94
42) 1,2-Dichloroethane	6.080	62	177507	50.120	ug/l	99
43) Isopropyl Acetate	6.330	43	280381	51.735	ug/l	97
44) Trichloroethene	7.117	130	126838	48.974	ug/l	94
45) 1,2-Dichloropropane	7.427	63	127008	50.083	ug/l	100
46) Dibromomethane	7.574	93	90357	50.617	ug/l	95
47) Bromodichloromethane	7.818	83	173680	53.802	ug/l	97
48) Methyl methacrylate	7.690	41	137902	51.033	ug/l	91
49) 1,4-Dioxane	7.696	88	64979	1084.708	ug/l #	91
51) 4-Methyl-2-Pentanone	8.574	43	889938	254.876	ug/l	98
52) Toluene	8.714	92	286027	48.471	ug/l	94
53) t-1,3-Dichloropropene	8.976	75	185052	56.749	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	200707	54.448	ug/l	93
55) 1,1,2-Trichloroethane	9.147	97	124805	50.890	ug/l	93
56) Ethyl methacrylate	9.116	69	194513	53.027	ug/l	96
57) 1,3-Dichloropropane	9.305	76	209492	49.843	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	511497	248.121	ug/l	100
59) 2-Hexanone	9.427	43	669100	262.414	ug/l	97
60) Dibromochloromethane	9.519	129	132773	55.722	ug/l	100
61) 1,2-Dibromoethane	9.604	107	130894	50.293	ug/l	98
64) Tetrachloroethene	9.269	164	108981	50.565	ug/l	98
65) Chlorobenzene	10.079	112	321889	50.164	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	122901	56.665	ug/l	99
67) Ethyl Benzene	10.189	91	569352	49.910	ug/l	98
68) m/p-Xylenes	10.299	106	438662	98.975	ug/l	96
69) o-Xylene	10.640	106	215635	50.383	ug/l	99
70) Styrene	10.652	104	355363	50.711	ug/l	97
71) Bromoform	10.799	173	93067	59.824	ug/l #	99
73) Isopropylbenzene	10.963	105	562515	51.026	ug/l	98
74) N-amyl acetate	10.841	43	242329	55.574	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	193536	51.842	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	161379m	51.719	ug/l	
77) Bromobenzene	11.195	156	135164	49.863	ug/l	92
78) n-propylbenzene	11.305	91	655586	50.921	ug/l	99
79) 2-Chlorotoluene	11.366	91	382826	49.985	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	476232	51.010	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	58160	60.760	ug/l	90
82) 4-Chlorotoluene	11.451	91	450163	50.486	ug/l	96
83) tert-Butylbenzene	11.713	119	458652	51.261	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	465882	50.440	ug/l	95
85) sec-Butylbenzene	11.890	105	572022	50.465	ug/l	98
86) p-Isopropyltoluene	12.006	119	491867	51.706	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	253773	50.919	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	258575	50.952	ug/l	98
89) n-Butylbenzene	12.329	91	436700	51.583	ug/l	97
90) Hexachloroethane	12.536	117	79818	55.399	ug/l	91
91) 1,2-Dichlorobenzene	12.335	146	255733	52.112	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.939	75	42847	60.426	ug/l	82
93) 1,2,4-Trichlorobenzene	13.585	180	169799	56.175	ug/l	97
94) Hexachlorobutadiene	13.725	225	63034	50.918	ug/l	97
95) Naphthalene	13.774	128	574890	57.570	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	170306	57.760	ug/l	98

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

