

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121323\
 Data File : VX039193.D
 Acq On : 13 Dec 2023 16:55
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/14/2023
 Supervised By : Mahesh Dadoda 12/14/2023

Quant Time: Dec 14 01:34:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 01:28:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	125917	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	229689	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	209193	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	104362	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	115339	50.002	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.000%			
35) Dibromofluoromethane	5.379	113	80548	50.761	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.520%			
50) Toluene-d8	8.647	98	300502	51.010	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.020%			
62) 4-Bromofluorobenzene	11.079	95	122032	50.206	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.420%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	97453	55.078	ug/l	97
3) Chloromethane	1.294	50	101877	51.937	ug/l	98
4) Vinyl Chloride	1.374	62	95189	52.179	ug/l	99
5) Bromomethane	1.599	94	55776	53.143	ug/l	98
6) Chloroethane	1.684	64	54462	49.540	ug/l	99
7) Trichlorofluoromethane	1.886	101	137241	51.376	ug/l	99
8) Diethyl Ether	2.130	74	46540	50.339	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	84065	51.570	ug/l	97
10) Methyl Iodide	2.453	142	93282	55.362	ug/l	95
11) Tert butyl alcohol	2.953	59	147858	255.256	ug/l #	93
12) 1,1-Dichloroethene	2.319	96	82613	51.019	ug/l	95
13) Acrolein	2.233	56	119915	259.496	ug/l	99
14) Allyl chloride	2.660	41	167978	51.209	ug/l	97
15) Acrylonitrile	3.056	53	296893	256.064	ug/l	99
16) Acetone	2.373	43	326112	243.184	ug/l	95
17) Carbon Disulfide	2.507	76	241843	51.038	ug/l	100
18) Methyl Acetate	2.696	43	249494	50.006	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	297928	50.875	ug/l	98
20) Methylene Chloride	2.788	84	95261	49.540	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	88800	50.398	ug/l	96
22) Diisopropyl ether	3.757	45	305162	51.107	ug/l	87
23) Vinyl Acetate	3.715	43	1181724	265.839	ug/l	99
24) 1,1-Dichloroethane	3.605	63	170464	50.503	ug/l	98
25) 2-Butanone	4.544	43	452887	227.522	ug/l	99
26) 2,2-Dichloropropane	4.471	77	151132	51.288	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	100138	51.491	ug/l	96
28) Bromochloromethane	4.891	49	83464	50.679	ug/l	94
29) Tetrahydrofuran	4.995	42	279220	254.009	ug/l	99
30) Chloroform	5.086	83	171652	50.889	ug/l	99
31) Cyclohexane	5.464	56	153339	51.467	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	151021	51.575	ug/l	99
36) 1,1-Dichloropropene	5.690	75	129050	51.537	ug/l	99
37) Ethyl Acetate	4.702	43	161943	52.348	ug/l	100
38) Carbon Tetrachloride	5.672	117	124004	51.893	ug/l	97
39) Methylcyclohexane	7.379	83	157750	52.447	ug/l	98
40) Benzene	6.031	78	364953	51.523	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	84310	51.079	ug/l	95
42) 1,2-Dichloroethane	6.080	62	148092	51.650	ug/l	99
43) Isopropyl Acetate	6.336	43	257873	51.260	ug/l	100
44) Trichloroethene	7.123	130	90116	50.416	ug/l	93
45) 1,2-Dichloropropane	7.427	63	96809	50.925	ug/l	97
46) Dibromomethane	7.574	93	68104	50.964	ug/l	96
47) Bromodichloromethane	7.818	83	135835	53.163	ug/l	97
48) Methyl methacrylate	7.689	41	154602	52.568	ug/l	96
49) 1,4-Dioxane	7.653	88	44541	1123.545	ug/l #	98
51) 4-Methyl-2-Pentanone	8.567	43	827684	258.227	ug/l	99
52) Toluene	8.714	92	220529	51.583	ug/l	95
53) t-1,3-Dichloropropene	8.976	75	151611	53.896	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	158613	52.404	ug/l	97
55) 1,1,2-Trichloroethane	9.147	97	90989	50.980	ug/l	94
56) Ethyl methacrylate	9.116	69	118147	54.225	ug/l	96
57) 1,3-Dichloropropane	9.305	76	157403	51.013	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	327355	255.868	ug/l	95
59) 2-Hexanone	9.427	43	670085	242.235	ug/l	100
60) Dibromochloromethane	9.518	129	95620	52.974	ug/l	99
61) 1,2-Dibromoethane	9.610	107	98446	51.669	ug/l	99
64) Tetrachloroethene	9.268	164	69431	50.791	ug/l	94
65) Chlorobenzene	10.079	112	229190	50.195	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	84631	52.473	ug/l	98
67) Ethyl Benzene	10.189	91	440080	51.778	ug/l	96
68) m/p-Xylenes	10.299	106	317597	104.218	ug/l	94
69) o-Xylene	10.640	106	153077	51.953	ug/l	92
70) Styrene	10.652	104	226061	52.481	ug/l	94
71) Bromoform	10.799	173	64424	53.739	ug/l #	100
73) Isopropylbenzene	10.963	105	417642	51.868	ug/l	99
74) N-amyl acetate	10.841	43	221538	54.379	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	153427	51.221	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	134787m	49.921	ug/l	
77) Bromobenzene	11.195	156	91747	51.527	ug/l	91
78) n-propylbenzene	11.305	91	514748	51.886	ug/l	97
79) 2-Chlorotoluene	11.360	91	303569	50.588	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	356265	51.938	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.018	75	49929	52.166	ug/l	94
82) 4-Chlorotoluene	11.451	91	363380	51.556	ug/l	95
83) tert-Butylbenzene	11.713	119	336727	51.581	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	366983	52.170	ug/l	98
85) sec-Butylbenzene	11.890	105	433193	52.148	ug/l	97
86) p-Isopropyltoluene	12.006	119	365224	52.388	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	177805	50.829	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	178883	49.114	ug/l	98
89) n-Butylbenzene	12.329	91	367571	53.635	ug/l	96
90) Hexachloroethane	12.536	117	68089	54.068	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	169014	50.497	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	42127	53.396	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	113907	51.973	ug/l	98
94) Hexachlorobutadiene	13.725	225	42808	51.830	ug/l	99
95) Naphthalene	13.774	128	402197	52.695	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	110297	52.132	ug/l	99

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

