

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061423\
 Data File : VX036161.D
 Acq On : 14 Jun 2023 17:56
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX061423

Quant Time: Jun 15 02:14:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061423W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 15 02:06:36 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/15/2023
 Supervised By : Mahesh Dadoda 06/15/2023

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	187169	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	360596	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	332619	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	151133	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	170687	54.362	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.720%			
35) Dibromofluoromethane	5.385	113	118979	49.121	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.240%			
50) Toluene-d8	8.647	98	423690	48.663	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.320%			
62) 4-Bromofluorobenzene	11.079	95	171125	46.791	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.580%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	92256	45.348	ug/l	100
3) Chloromethane	1.294	50	104673	47.764	ug/l	98
4) Vinyl Chloride	1.374	62	97430	47.210	ug/l	99
5) Bromomethane	1.618	94	56726	42.683	ug/l	97
6) Chloroethane	1.691	64	62260	47.830	ug/l	97
7) Trichlorofluoromethane	1.886	101	150860	51.155	ug/l	97
8) Diethyl Ether	2.130	74	59282	48.240	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	84991	47.427	ug/l	99
10) Methyl Iodide	2.453	142	95269	47.637	ug/l	99
11) Tert butyl alcohol	3.001	59	126659m	243.837	ug/l	
12) 1,1-Dichloroethene	2.319	96	83762	47.017	ug/l	97
13) Acrolein	2.239	56	151566	250.988	ug/l	99
14) Allyl chloride	2.666	41	180538	49.811	ug/l	99
15) Acrylonitrile	3.069	53	329615	266.378	ug/l	98
16) Acetone	2.392	43	314076	259.311	ug/l	99
17) Carbon Disulfide	2.514	76	211705	46.695	ug/l	99
18) Methyl Acetate	2.703	43	263349	51.725	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	349791	49.488	ug/l	100
20) Methylene Chloride	2.788	84	103903	46.339	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	94175	46.347	ug/l	95
22) Diisopropyl ether	3.757	45	355921	49.899	ug/l	99
23) Vinyl Acetate	3.721	43	1371517	263.034	ug/l	100
24) 1,1-Dichloroethane	3.611	63	188877	47.997	ug/l	100
25) 2-Butanone	4.562	43	479147	270.781	ug/l	99
26) 2,2-Dichloropropane	4.477	77	157299	49.946	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	111717	47.652	ug/l	98
28) Bromochloromethane	4.897	49	83338	40.918	ug/l	99
29) Tetrahydrofuran	5.007	42	311951	274.051	ug/l	99
30) Chloroform	5.093	83	200045	48.547	ug/l	98
31) Cyclohexane	5.471	56	145333	46.208	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	170522	48.960	ug/l	99
36) 1,1-Dichloropropene	5.690	75	138334	44.588	ug/l	99
37) Ethyl Acetate	4.715	43	185895	48.788	ug/l	99
38) Carbon Tetrachloride	5.678	117	139988	46.740	ug/l	99
39) Methylcyclohexane	7.379	83	141466	42.931	ug/l	99
40) Benzene	6.037	78	401484	45.092	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	107155	50.434	ug/l	98
42) 1,2-Dichloroethane	6.086	62	181770	47.326	ug/l	100
43) Isopropyl Acetate	6.336	43	293445	49.659	ug/l	99
44) Trichloroethene	7.123	130	99901	43.734	ug/l	93
45) 1,2-Dichloropropane	7.428	63	106387	45.644	ug/l	97
46) Dibromomethane	7.580	93	78337	46.027	ug/l	99
47) Bromodichloromethane	7.824	83	152267	47.971	ug/l	99
48) Methyl methacrylate	7.690	41	146964	49.956	ug/l	99
49) 1,4-Dioxane	7.708	88	49237	855.461	ug/l #	97
51) 4-Methyl-2-Pentanone	8.574	43	931616	261.512	ug/l	99
52) Toluene	8.720	92	258349	46.147	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	170590	50.832	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	178768	49.072	ug/l	100
55) 1,1,2-Trichloroethane	9.153	97	108429	46.156	ug/l	96
56) Ethyl methacrylate	9.116	69	180287	49.656	ug/l	95
57) 1,3-Dichloropropane	9.305	76	191058	47.091	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	455534	237.635	ug/l	100
59) 2-Hexanone	9.427	43	713852	270.116	ug/l	98
60) Dibromochloromethane	9.519	129	110325	49.341	ug/l	100
61) 1,2-Dibromoethane	9.610	107	119252	48.408	ug/l	99
64) Tetrachloroethene	9.275	164	78493	43.074	ug/l	96
65) Chlorobenzene	10.079	112	274843	45.283	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	101839	47.693	ug/l	100
67) Ethyl Benzene	10.195	91	496127	46.277	ug/l	100
68) m/p-Xylenes	10.299	106	375571	91.853	ug/l	97
69) o-Xylene	10.640	106	185910	46.065	ug/l	95
70) Styrene	10.653	104	317194	47.894	ug/l	99
71) Bromoform	10.799	173	74042	41.515	ug/l #	99
73) Isopropylbenzene	10.963	105	476689	46.418	ug/l	100
74) N-amyl acetate	10.842	43	254242	54.429	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	178298	50.821	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	178035m	52.673	ug/l	
77) Bromobenzene	11.195	156	113006	46.887	ug/l	95
78) n-propylbenzene	11.305	91	557012	46.596	ug/l	99
79) 2-Chlorotoluene	11.366	91	359209	47.453	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	413535	47.712	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	53116	46.483	ug/l	98
82) 4-Chlorotoluene	11.451	91	416338	48.267	ug/l	98
83) tert-Butylbenzene	11.713	119	387140	47.109	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	416124	47.800	ug/l	99
85) sec-Butylbenzene	11.890	105	467602	46.791	ug/l	99
86) p-Isopropyltoluene	12.006	119	395550	46.762	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	207433	45.114	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	213900	45.086	ug/l	99
89) n-Butylbenzene	12.329	91	344631	47.413	ug/l	100
90) Hexachloroethane	12.536	117	62170	41.426	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	205638	45.668	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	42999	53.535	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	114053	44.555	ug/l	98
94) Hexachlorobutadiene	13.725	225	40530	41.062	ug/l	99
95) Naphthalene	13.774	128	450365	49.858	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	115677	45.530	ug/l	100

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

