

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081424\
 Data File : VX043025.D
 Acq On : 14 Aug 2024 12:30
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/15/2024
 Supervised By : Mahesh Dadoda 08/15/2024

Quant Time: Aug 14 14:00:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081424W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 14 13:56:03 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	136775	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	247871	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	219029	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	105277	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	82580	45.948	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.900%		
35) Dibromofluoromethane	5.385	113	70630	46.060	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.120%		
50) Toluene-d8	8.647	98	277428	46.868	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	93.740%		
62) 4-Bromofluorobenzene	11.079	95	100217	46.692	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.380%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	69603	50.333	ug/l	98
3) Chloromethane	1.301	50	102238	49.945	ug/l	99
4) Vinyl Chloride	1.374	62	102407	49.808	ug/l	99
5) Bromomethane	1.599	94	29961	48.092	ug/l	98
6) Chloroethane	1.666	64	31606	48.775	ug/l	98
7) Trichlorofluoromethane	1.868	101	98177	45.669	ug/l	98
8) Diethyl Ether	2.136	74	47264	47.526	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.319	101	74572	48.506	ug/l	98
10) Methyl Iodide	2.447	142	87642	50.139	ug/l	# 86
11) Tert butyl alcohol	3.002	59	115225	247.954	ug/l	# 93
12) 1,1-Dichloroethene	2.313	96	80570	48.838	ug/l	86
13) Acrolein	2.239	56	114461	244.168	ug/l	97
14) Allyl chloride	2.660	41	146586	47.408	ug/l	88
15) Acrylonitrile	3.075	53	281604	245.189	ug/l	98
16) Acetone	2.392	43	217629	244.145	ug/l	# 86
17) Carbon Disulfide	2.502	76	231208	48.870	ug/l	100
18) Methyl Acetate	2.709	43	143558	48.735	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	274652	49.397	ug/l	96
20) Methylene Chloride	2.788	84	92468	44.858	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	83718	48.659	ug/l	91
22) Diisopropyl ether	3.764	45	314637	49.831	ug/l	97
23) Vinyl Acetate	3.727	43	1865078	253.377	ug/l	98
24) 1,1-Dichloroethane	3.605	63	157090	49.330	ug/l	98
25) 2-Butanone	4.568	43	387228	247.805	ug/l	97
26) 2,2-Dichloropropane	4.471	77	121490	47.889	ug/l	93
27) cis-1,2-Dichloroethene	4.489	96	101538	48.893	ug/l	90
28) Bromochloromethane	4.898	49	66541	46.188	ug/l	98
29) Tetrahydrofuran	5.013	42	265880	245.490	ug/l	99
30) Chloroform	5.093	83	149203	48.773	ug/l	95
31) Cyclohexane	5.464	56	143392	47.876	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	125942	49.316	ug/l	99
36) 1,1-Dichloropropene	5.690	75	103920	48.782	ug/l	96
37) Ethyl Acetate	4.727	43	155029	51.660	ug/l	99
38) Carbon Tetrachloride	5.672	117	105377	48.919	ug/l	99
39) Methylcyclohexane	7.379	83	144222	48.900	ug/l	95
40) Benzene	6.038	78	355354	48.963	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	81298	51.402	ug/l	94
42) 1,2-Dichloroethane	6.086	62	105233	49.849	ug/l	92
43) Isopropyl Acetate	6.348	43	240430	49.656	ug/l	97
44) Trichloroethene	7.123	130	82236	50.038	ug/l	97
45) 1,2-Dichloropropane	7.428	63	89415	50.063	ug/l	99
46) Dibromomethane	7.580	93	59352	48.602	ug/l	95
47) Bromodichloromethane	7.824	83	116322	49.059	ug/l	95
48) Methyl methacrylate	7.696	41	110580	47.921	ug/l	90
49) 1,4-Dioxane	7.665	88	47403	977.477	ug/l #	93
51) 4-Methyl-2-Pentanone	8.580	43	777804	252.772	ug/l	98
52) Toluene	8.720	92	218400	49.817	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	128805	49.745	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	141770	49.781	ug/l #	89
55) 1,1,2-Trichloroethane	9.153	97	85417	49.604	ug/l	95
56) Ethyl methacrylate	9.116	69	156893	50.315	ug/l	95
57) 1,3-Dichloropropane	9.311	76	145489	49.854	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	361285	246.906	ug/l	99
59) 2-Hexanone	9.433	43	603494	255.220	ug/l	95
60) Dibromochloromethane	9.519	129	91401	50.339	ug/l	100
61) 1,2-Dibromoethane	9.610	107	88260	50.825	ug/l	100
64) Tetrachloroethene	9.275	164	68915	48.752	ug/l	99
65) Chlorobenzene	10.079	112	233072	49.324	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	77481	48.660	ug/l	97
67) Ethyl Benzene	10.195	91	404421	49.250	ug/l	98
68) m/p-Xylenes	10.299	106	315926	100.050	ug/l	94
69) o-Xylene	10.640	106	158649	50.012	ug/l	93
70) Styrene	10.653	104	269245	50.623	ug/l	95
71) Bromoform	10.799	173	66241	50.092	ug/l #	99
73) Isopropylbenzene	10.963	105	393535	49.004	ug/l	99
74) N-amyl acetate	10.842	43	223019	48.757	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	143241	46.338	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	113576m	36.917	ug/l	
77) Bromobenzene	11.195	156	92584	47.989	ug/l	97
78) n-propylbenzene	11.305	91	455615	49.782	ug/l	99
79) 2-Chlorotoluene	11.366	91	275711	48.404	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	324362	49.030	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	52288	47.270	ug/l #	81
82) 4-Chlorotoluene	11.451	91	313983	49.467	ug/l	98
83) tert-Butylbenzene	11.713	119	326563	47.695	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	328264	49.184	ug/l	95
85) sec-Butylbenzene	11.890	105	414599	49.883	ug/l	99
86) p-Isopropyltoluene	12.006	119	342121	50.383	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	170915	49.269	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	173591	48.907	ug/l	98
89) n-Butylbenzene	12.329	91	301336	51.262	ug/l	100
90) Hexachloroethane	12.536	117	66570	48.810	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	173015	49.466	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	29970	49.559	ug/l	79
93) 1,2,4-Trichlorobenzene	13.585	180	99329	50.454	ug/l	97
94) Hexachlorobutadiene	13.725	225	36712	49.972	ug/l	98
95) Naphthalene	13.774	128	385961	49.641	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	101539	50.428	ug/l	97

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

