

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052924\
 Data File : VX041665.D
 Acq On : 29 May 2024 10:42
 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 05/30/2024
 Supervised By : Semsettin Yesilyurt 05/30/2024

Quant Time: May 30 07:26:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X052924W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 30 07:15:30 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	181407	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	260218	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	240604	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	134593	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	109041	49.009	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.020%		
35) Dibromofluoromethane	5.385	113	88219	49.034	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.060%		
50) Toluene-d8	8.647	98	316269	50.310	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.620%		
62) 4-Bromofluorobenzene	11.079	95	118250	50.966	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.940%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	81453	51.100	ug/l	97
3) Chloromethane	1.300	50	82652	47.524	ug/l	99
4) Vinyl Chloride	1.374	62	87179	48.693	ug/l	99
5) Bromomethane	1.599	94	61920	49.660	ug/l	98
6) Chloroethane	1.666	64	47660	44.043	ug/l	99
7) Trichlorofluoromethane	1.867	101	140882	48.187	ug/l	97
8) Diethyl Ether	2.136	74	54571	48.431	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.319	101	80821	48.786	ug/l	89
10) Methyl Iodide	2.447	142	104082	50.383	ug/l	91
11) Tert butyl alcohol	3.007	59	93335	237.141	ug/l	# 91
12) 1,1-Dichloroethene	2.306	96	79547	49.192	ug/l	93
13) Acrolein	2.239	56	89126	243.149	ug/l	97
14) Allyl chloride	2.660	41	137180	51.566	ug/l	97
15) Acrylonitrile	3.075	53	240792	249.465	ug/l	99
16) Acetone	2.392	43	234503	243.908	ug/l	98
17) Carbon Disulfide	2.501	76	180933	50.579	ug/l	99
18) Methyl Acetate	2.709	43	104632	49.252	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	271522	50.186	ug/l	99
20) Methylene Chloride	2.788	84	89877	45.140	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	82893	49.407	ug/l	91
22) Diisopropyl ether	3.763	45	276138	50.791	ug/l	93
23) Vinyl Acetate	3.721	43	1283610	262.804	ug/l	97
24) 1,1-Dichloroethane	3.605	63	153762	50.016	ug/l	97
25) 2-Butanone	4.568	43	351556	254.236	ug/l	99
26) 2,2-Dichloropropane	4.471	77	125198	49.637	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	99908	49.815	ug/l	93
28) Bromochloromethane	4.897	49	64120	48.426	ug/l	# 80
29) Tetrahydrofuran	5.013	42	219531	251.737	ug/l	96
30) Chloroform	5.092	83	161434	50.015	ug/l	98
31) Cyclohexane	5.464	56	129200	49.186	ug/l	92
32) 1,1,1-Trichloroethane	5.379	97	142879	50.514	ug/l	98
36) 1,1-Dichloropropene	5.690	75	107257	49.235	ug/l	96
37) Ethyl Acetate	4.721	43	137821	50.130	ug/l	99
38) Carbon Tetrachloride	5.672	117	125300	50.626	ug/l	99
39) Methylcyclohexane	7.379	83	136925	51.160	ug/l	93
40) Benzene	6.037	78	341243	50.115	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	70909	52.738	ug/l	95
42) 1,2-Dichloroethane	6.086	62	128007	50.357	ug/l	97
43) Isopropyl Acetate	6.342	43	208421	50.212	ug/l	98
44) Trichloroethene	7.123	130	93071	50.257	ug/l	89
45) 1,2-Dichloropropane	7.427	63	82579	51.006	ug/l	97
46) Dibromomethane	7.580	93	63304	50.979	ug/l #	80
47) Bromodichloromethane	7.824	83	120515	52.415	ug/l	98
48) Methyl methacrylate	7.696	41	104570	52.459	ug/l	96
49) 1,4-Dioxane	7.671	88	43836	1006.479	ug/l #	78
51) 4-Methyl-2-Pentanone	8.580	43	696126	258.625	ug/l	99
52) Toluene	8.720	92	221148	51.176	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	121036	53.479	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	133328	53.252	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	87654	50.319	ug/l	98
56) Ethyl methacrylate	9.116	69	142246	53.499	ug/l	99
57) 1,3-Dichloropropane	9.305	76	145185	50.201	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	333291	266.257	ug/l	94
59) 2-Hexanone	9.433	43	544127	265.155	ug/l	98
60) Dibromochloromethane	9.518	129	102945	53.273	ug/l	99
61) 1,2-Dibromoethane	9.610	107	94015	51.136	ug/l	100
64) Tetrachloroethene	9.269	164	87949	48.771	ug/l	90
65) Chlorobenzene	10.079	112	254457	49.278	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	90353	50.426	ug/l	98
67) Ethyl Benzene	10.195	91	418245	50.825	ug/l	99
68) m/p-Xylenes	10.299	106	334168	102.076	ug/l	94
69) o-Xylene	10.640	106	164332	50.459	ug/l	94
70) Styrene	10.652	104	278940	51.856	ug/l	96
71) Bromoform	10.799	173	81848	52.452	ug/l #	99
73) Isopropylbenzene	10.963	105	421124	50.441	ug/l	97
74) N-amyl acetate	10.841	43	195167	52.771	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	143696	48.499	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	116811m	48.837	ug/l	
77) Bromobenzene	11.195	156	120897	49.058	ug/l	80
78) n-propylbenzene	11.305	91	467563	51.002	ug/l	96
79) 2-Chlorotoluene	11.366	91	290693	49.333	ug/l	93
80) 1,3,5-Trimethylbenzene	11.451	105	354591	50.869	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	44529	51.680	ug/l	96
82) 4-Chlorotoluene	11.451	91	336469	50.193	ug/l	93
83) tert-Butylbenzene	11.713	119	376712	50.170	ug/l	92
84) 1,2,4-Trimethylbenzene	11.750	105	362930	51.388	ug/l	94
85) sec-Butylbenzene	11.890	105	441966	51.341	ug/l	95
86) p-Isopropyltoluene	12.006	119	391908	51.909	ug/l	95
87) 1,3-Dichlorobenzene	11.969	146	217684	49.460	ug/l	95
88) 1,4-Dichlorobenzene	12.042	146	221501	48.823	ug/l	95
89) n-Butylbenzene	12.329	91	315501	52.788	ug/l	97
90) Hexachloroethane	12.536	117	64647	50.344	ug/l	61
91) 1,2-Dichlorobenzene	12.335	146	223849	49.933	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	31559	52.724	ug/l	63
93) 1,2,4-Trichlorobenzene	13.585	180	151868	51.401	ug/l	96
94) Hexachlorobutadiene	13.725	225	71967	49.165	ug/l	99
95) Naphthalene	13.774	128	463223	53.129	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	156949	51.615	ug/l	95

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

