

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091523\
 Data File : VX037764.D
 Acq On : 15 Sep 2023 18:54
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/18/2023
 Supervised By : Mahesh Dadoda 09/18/2023

Quant Time: Sep 16 05:48:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 16 04:55:44 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	226245	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	386423	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	364744	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	185073	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	138403	46.561	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.120%		
35) Dibromofluoromethane	5.391	113	117254	45.349	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.700%		
50) Toluene-d8	8.647	98	419928	43.711	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	87.420%#		
62) 4-Bromofluorobenzene	11.079	95	155493	44.541	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.080%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	104305	43.740	ug/l	97
3) Chloromethane	1.301	50	123807	47.716	ug/l	98
4) Vinyl Chloride	1.374	62	130384	46.579	ug/l	99
5) Bromomethane	1.599	94	100743	50.273	ug/l	100
6) Chloroethane	1.679	64	93174	48.317	ug/l	98
7) Trichlorofluoromethane	1.886	101	208421	46.314	ug/l	97
8) Diethyl Ether	2.136	74	89058	51.080	ug/l	81
9) 1,1,2-Trichlorotrifluo...	2.325	101	103592	45.359	ug/l	96
10) Methyl Iodide	2.453	142	154088	50.983	ug/l	92
11) Tert butyl alcohol	2.965	59	173373	271.726	ug/l	# 93
12) 1,1-Dichloroethene	2.319	96	104462	47.328	ug/l	85
13) Acrolein	2.233	56	152781	242.383	ug/l	100
14) Allyl chloride	2.660	41	177853	48.380	ug/l	# 95
15) Acrylonitrile	3.063	53	377961	266.432	ug/l	99
16) Acetone	2.380	43	311699	217.977	ug/l	# 89
17) Carbon Disulfide	2.514	76	247357	44.698	ug/l	100
18) Methyl Acetate	2.703	43	271951	52.719	ug/l	92
19) Methyl tert-butyl Ether	3.111	73	420475	51.786	ug/l	99
20) Methylene Chloride	2.788	84	137759	52.109	ug/l	89
21) trans-1,2-Dichloroethene	3.093	96	120204	49.044	ug/l	88
22) Diisopropyl ether	3.764	45	399122	52.123	ug/l	# 84
23) Vinyl Acetate	3.721	43	1502080	266.686	ug/l	96
24) 1,1-Dichloroethane	3.611	63	227064	49.484	ug/l	99
25) 2-Butanone	4.556	43	512752	254.101	ug/l	93
26) 2,2-Dichloropropane	4.477	77	153525	41.407	ug/l	92
27) cis-1,2-Dichloroethene	4.489	96	150672	50.145	ug/l	88
28) Bromochloromethane	4.898	49	110711	51.718	ug/l	# 83
29) Tetrahydrofuran	5.001	42	338266	269.497	ug/l	90
30) Chloroform	5.093	83	250230	50.622	ug/l	98
31) Cyclohexane	5.471	56	175792	46.076	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	206677	49.380	ug/l	97
36) 1,1-Dichloropropene	5.690	75	160368	45.025	ug/l	96
37) Ethyl Acetate	4.709	43	201537	51.470	ug/l	97
38) Carbon Tetrachloride	5.678	117	171488	46.016	ug/l	99
39) Methylcyclohexane	7.379	83	199310	44.090	ug/l	93
40) Benzene	6.038	78	526476	48.067	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	105059	52.620	ug/l #	90
42) 1,2-Dichloroethane	6.086	62	196133	49.544	ug/l	96
43) Isopropyl Acetate	6.342	43	322712	51.542	ug/l #	96
44) Trichloroethene	7.129	130	134493	44.093	ug/l	96
45) 1,2-Dichloropropane	7.428	63	138890	48.829	ug/l	99
46) Dibromomethane	7.580	93	103255	50.464	ug/l	92
47) Bromodichloromethane	7.824	83	191348	50.778	ug/l	98
48) Methyl methacrylate	7.690	41	155550	51.970	ug/l #	86
49) 1,4-Dioxane	7.659	88	83676	1066.369	ug/l #	87
51) 4-Methyl-2-Pentanone	8.574	43	1047171	263.609	ug/l	94
52) Toluene	8.720	92	333628	47.264	ug/l	94
53) t-1,3-Dichloropropene	8.976	75	199860	50.723	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	215537	49.426	ug/l #	88
55) 1,1,2-Trichloroethane	9.153	97	152363	51.195	ug/l	98
56) Ethyl methacrylate	9.116	69	234497	52.779	ug/l	90
57) 1,3-Dichloropropane	9.311	76	241509	50.148	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	523197	252.185	ug/l	98
59) 2-Hexanone	9.433	43	819698	265.021	ug/l	93
60) Dibromochloromethane	9.525	129	154980	52.274	ug/l	100
61) 1,2-Dibromoethane	9.610	107	163318	51.830	ug/l	99
64) Tetrachloroethene	9.275	164	114315	45.956	ug/l	99
65) Chlorobenzene	10.080	112	366875	46.631	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	141073	50.598	ug/l	99
67) Ethyl Benzene	10.195	91	639204	46.861	ug/l	100
68) m/p-Xylenes	10.299	106	495386	93.986	ug/l	98
69) o-Xylene	10.640	106	253750	48.009	ug/l	97
70) Styrene	10.653	104	422620	49.806	ug/l	96
71) Bromoform	10.799	173	117355	53.282	ug/l #	99
73) Isopropylbenzene	10.964	105	640769	47.192	ug/l	99
74) N-amyl acetate	10.842	43	298922	54.360	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	251365	52.639	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	224922m	52.545	ug/l	
77) Bromobenzene	11.201	156	166589	49.570	ug/l	88
78) n-propylbenzene	11.305	91	731257	47.688	ug/l	99
79) 2-Chlorotoluene	11.366	91	449226	47.513	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	553021	48.229	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	68652	51.376	ug/l	91
82) 4-Chlorotoluene	11.451	91	514448	48.330	ug/l	96
83) tert-Butylbenzene	11.713	119	548305	47.313	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	557407	48.858	ug/l	98
85) sec-Butylbenzene	11.890	105	675383	48.037	ug/l	99
86) p-Isopropyltoluene	12.006	119	565602	48.285	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	302086	48.221	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	302265	47.151	ug/l	98
89) n-Butylbenzene	12.329	91	497234	48.456	ug/l	97
90) Hexachloroethane	12.536	117	96976	48.862	ug/l	86
91) 1,2-Dichlorobenzene	12.335	146	313481	49.012	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	52637	55.298	ug/l	77
93) 1,2,4-Trichlorobenzene	13.585	180	186224	49.427	ug/l	97
94) Hexachlorobutadiene	13.725	225	81876	46.536	ug/l	98
95) Naphthalene	13.774	128	677488	53.170	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	192231	49.580	ug/l	98

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

