

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091523\
 Data File : VX037746.D
 Acq On : 15 Sep 2023 10:13
 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 09/18/2023
 Supervised By : Mahesh Dadoda 09/18/2023

Quant Time: Sep 16 04:29:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 16 04:24:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	259344	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	430033	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	410931	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	205192	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	170017	49.897	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.800%
35) Dibromofluoromethane	5.385	113	145313	50.502	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.000%
50) Toluene-d8	8.647	98	546543	51.121	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	102.240%
62) 4-Bromofluorobenzene	11.079	95	196656	50.619	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.240%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.166	85	134265	49.117	ug/l	99
3) Chloromethane	1.300	50	137461	46.217	ug/l	97
4) Vinyl Chloride	1.374	62	157573	49.108	ug/l	98
5) Bromomethane	1.599	94	115789	50.406	ug/l	97
6) Chloroethane	1.678	64	106087	47.992	ug/l	99
7) Trichlorofluoromethane	1.886	101	259698	50.343	ug/l	99
8) Diethyl Ether	2.136	74	96376	48.223	ug/l	82
9) 1,1,2-Trichlorotrifluo...	2.331	101	130109	49.699	ug/l	97
10) Methyl Iodide	2.453	142	179570	51.831	ug/l	93
11) Tert butyl alcohol	2.965	59	176968	241.962	ug/l	# 92
12) 1,1-Dichloroethene	2.319	96	126487	49.992	ug/l	86
13) Acrolein	2.239	56	175380	242.726	ug/l	99
14) Allyl chloride	2.666	41	207806	49.314	ug/l	# 95
15) Acrylonitrile	3.062	53	404033	248.462	ug/l	99
16) Acetone	2.380	43	375160	228.873	ug/l	# 89
17) Carbon Disulfide	2.514	76	316209	49.847	ug/l	99
18) Methyl Acetate	2.703	43	289189	48.906	ug/l	93
19) Methyl tert-butyl Ether	3.117	73	455989	48.992	ug/l	100
20) Methylene Chloride	2.788	84	150172	49.554	ug/l	90
21) trans-1,2-Dichloroethene	3.093	96	140549	50.026	ug/l	90
22) Diisopropyl ether	3.763	45	437172	49.805	ug/l	# 85
23) Vinyl Acetate	3.721	43	1646586	255.031	ug/l	95
24) 1,1-Dichloroethane	3.611	63	257515	48.958	ug/l	99
25) 2-Butanone	4.556	43	567078	245.222	ug/l	# 90
26) 2,2-Dichloropropane	4.477	77	209137	49.207	ug/l	94
27) cis-1,2-Dichloroethene	4.489	96	171445	49.776	ug/l	89
28) Bromochloromethane	4.897	49	117007	47.683	ug/l	# 83
29) Tetrahydrofuran	5.007	42	358180	248.957	ug/l	89
30) Chloroform	5.092	83	280064	49.427	ug/l	97
31) Cyclohexane	5.470	56	222993	50.989	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	245770	51.226	ug/l	97
36) 1,1-Dichloropropene	5.696	75	197883	49.923	ug/l	96
37) Ethyl Acetate	4.714	43	217161	51.031	ug/l	97
38) Carbon Tetrachloride	5.678	117	212170	51.159	ug/l	97
39) Methylcyclohexane	7.379	83	253272	50.346	ug/l	94
40) Benzene	6.037	78	605328	49.662	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	110678	49.813	ug/l #	88
42) 1,2-Dichloroethane	6.086	62	215577	48.785	ug/l	96
43) Isopropyl Acetate	6.342	43	353314	50.707	ug/l	96
44) Trichloroethene	7.129	130	161598	47.606	ug/l	97
45) 1,2-Dichloropropane	7.433	63	155431	49.103	ug/l	99
46) Dibromomethane	7.580	93	114355	50.222	ug/l	93
47) Bromodichloromethane	7.824	83	216033	51.515	ug/l	97
48) Methyl methacrylate	7.696	41	169547	50.902	ug/l #	87
49) 1,4-Dioxane	7.659	88	84402	966.542	ug/l #	89
51) 4-Methyl-2-Pentanone	8.574	43	1114690	252.149	ug/l	94
52) Toluene	8.720	92	398453	50.723	ug/l	96
53) t-1,3-Dichloropropene	8.976	75	232974	53.372	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	251705	51.867	ug/l #	89
55) 1,1,2-Trichloroethane	9.153	97	167342	50.526	ug/l	95
56) Ethyl methacrylate	9.116	69	255142	51.602	ug/l	91
57) 1,3-Dichloropropane	9.311	76	266525	49.730	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	568955	246.430	ug/l	99
59) 2-Hexanone	9.433	43	864988	251.303	ug/l	94
60) Dibromochloromethane	9.525	129	174770	52.971	ug/l	100
61) 1,2-Dibromoethane	9.610	107	179632	51.226	ug/l	99
64) Tetrachloroethene	9.275	164	135780	48.450	ug/l	96
65) Chlorobenzene	10.079	112	429927	48.504	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	162476	51.725	ug/l	99
67) Ethyl Benzene	10.195	91	769315	50.061	ug/l	99
68) m/p-Xylenes	10.299	106	600485	101.121	ug/l	97
69) o-Xylene	10.640	106	299129	50.233	ug/l	97
70) Styrene	10.652	104	494103	51.686	ug/l	96
71) Bromoform	10.799	173	130939	52.834	ug/l #	100
73) Isopropylbenzene	10.963	105	776441	51.577	ug/l	98
74) N-amyl acetate	10.841	43	319637	52.428	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	262045	49.495	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	241946m	48.182	ug/l	
77) Bromobenzene	11.195	156	187998	50.455	ug/l	89
78) n-propylbenzene	11.305	91	898303	52.838	ug/l	99
79) 2-Chlorotoluene	11.366	91	531369	50.690	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	664087	52.237	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	79232	53.480	ug/l	89
82) 4-Chlorotoluene	11.457	91	608183	51.534	ug/l	96
83) tert-Butylbenzene	11.713	119	671758	52.282	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	658015	52.022	ug/l	98
85) sec-Butylbenzene	11.890	105	822306	52.752	ug/l	99
86) p-Isopropyltoluene	12.012	119	681771	52.579	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	345898	49.801	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	344312	48.586	ug/l	97
89) n-Butylbenzene	12.335	91	604859	53.164	ug/l	97
90) Hexachloroethane	12.536	117	117268	53.292	ug/l	88
91) 1,2-Dichlorobenzene	12.335	146	346286	48.832	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	55489	52.579	ug/l	77
93) 1,2,4-Trichlorobenzene	13.585	180	213559	51.125	ug/l	98
94) Hexachlorobutadiene	13.725	225	99452	51.017	ug/l	98
95) Naphthalene	13.774	128	738377	52.266	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	217481	50.592	ug/l	97

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

