

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091823\
 Data File : VX037766.D
 Acq On : 18 Sep 2023 10:05
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/19/2023
 Supervised By : Semsettin Yesilyurt 09/19/2023

Quant Time: Sep 18 17:54:30 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	5.549	168	271552	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	430356	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	404627	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	212586	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	174322	48.860	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.720%		
35) Dibromofluoromethane	5.385	113	150775	52.361	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	104.720%		
50) Toluene-d8	8.646	98	566025	52.903	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	105.800%		
62) 4-Bromofluorobenzene	11.079	95	210466	54.133	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	108.260%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	141312	49.371	ug/l	98
3) Chloromethane	1.300	50	144262	46.323	ug/l	98
4) Vinyl Chloride	1.373	62	157376	46.842	ug/l	98
5) Bromomethane	1.599	94	96359	40.062	ug/l	98
6) Chloroethane	1.666	64	94327m	40.754	ug/l	
7) Trichlorofluoromethane	1.873	101	268232	49.660	ug/l	100
8) Diethyl Ether	2.135	74	98874	47.249	ug/l	82
9) 1,1,2-Trichlorotrifluo...	2.318	101	139945	51.052	ug/l	96
10) Methyl Iodide	2.446	142	180139	49.658	ug/l	92
11) Tert butyl alcohol	2.983	59	192074	250.810	ug/l	# 93
12) 1,1-Dichloroethene	2.312	96	131478	49.629	ug/l	84
13) Acrolein	2.239	56	223418	295.310	ug/l	100
14) Allyl chloride	2.660	41	215729	48.892	ug/l	# 95
15) Acrylonitrile	3.062	53	401739	235.944	ug/l	99
16) Acetone	2.385	43	509445	296.824	ug/l	90
17) Carbon Disulfide	2.507	76	330043	49.689	ug/l	99
18) Methyl Acetate	2.702	43	290985	46.998	ug/l	93
19) Methyl tert-butyl Ether	3.117	73	481458	49.403	ug/l	99
20) Methylene Chloride	2.788	84	158420	49.926	ug/l	88
21) trans-1,2-Dichloroethene	3.086	96	144288	49.049	ug/l	91
22) Diisopropyl ether	3.763	45	454842	49.489	ug/l	# 82
23) Vinyl Acetate	3.720	43	1706144	252.376	ug/l	95
24) 1,1-Dichloroethane	3.605	63	266706	48.426	ug/l	99
25) 2-Butanone	4.556	43	626784	258.787	ug/l	93
26) 2,2-Dichloropropane	4.470	77	239923	53.913	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	177644	49.257	ug/l	90
28) Bromochloromethane	4.897	49	103190	40.162	ug/l	# 83
29) Tetrahydrofuran	5.001	42	354977	235.625	ug/l	90
30) Chloroform	5.086	83	288862	48.687	ug/l	100
31) Cyclohexane	5.464	56	234855	51.287	ug/l	93
32) 1,1,1-Trichloroethane	5.379	97	257491	51.256	ug/l	97
36) 1,1-Dichloropropene	5.690	75	204125	51.460	ug/l	96
37) Ethyl Acetate	4.714	43	219637	50.366	ug/l	96
38) Carbon Tetrachloride	5.671	117	225784	54.401	ug/l	99
39) Methylcyclohexane	7.378	83	270505	53.731	ug/l	94
40) Benzene	6.037	78	622334	51.019	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.915	41	114385	51.443	ug/l #	90
42) 1,2-Dichloroethane	6.080	62	219683	49.828	ug/l	96
43) Isopropyl Acetate	6.336	43	361785	51.884	ug/l #	95
44) Trichloroethene	7.122	130	166681	49.067	ug/l	98
45) 1,2-Dichloropropane	7.427	63	160805	50.762	ug/l	97
46) Dibromomethane	7.580	93	117174	51.421	ug/l	91
47) Bromodichloromethane	7.817	83	223744	53.314	ug/l	99
48) Methyl methacrylate	7.689	41	170455	51.136	ug/l #	87
49) 1,4-Dioxane	7.665	88	88263	1009.998	ug/l #	87
51) 4-Methyl-2-Pentanone	8.573	43	1108699	250.606	ug/l	95
52) Toluene	8.720	92	406363	51.691	ug/l	95
53) t-1,3-Dichloropropene	8.976	75	251817	57.385	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	266100	54.792	ug/l #	88
55) 1,1,2-Trichloroethane	9.152	97	169342	51.091	ug/l	95
56) Ethyl methacrylate	9.116	69	264686	53.492	ug/l	91
57) 1,3-Dichloropropane	9.305	76	275737	51.410	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	591330	255.929	ug/l	98
59) 2-Hexanone	9.433	43	913365	265.159	ug/l	92
60) Dibromochloromethane	9.518	129	184570	55.899	ug/l	99
61) 1,2-Dibromoethane	9.610	107	184323	52.524	ug/l	100
64) Tetrachloroethene	9.274	164	144645	52.417	ug/l	97
65) Chlorobenzene	10.079	112	445568	51.051	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.164	131	171513	55.452	ug/l	99
67) Ethyl Benzene	10.195	91	802474	53.032	ug/l	99
68) m/p-Xylenes	10.299	106	626057	107.070	ug/l	96
69) o-Xylene	10.640	106	310788	53.004	ug/l	97
70) Styrene	10.652	104	510129	54.193	ug/l	96
71) Bromoform	10.798	173	142486	58.316	ug/l #	100
73) Isopropylbenzene	10.963	105	821669	52.683	ug/l	98
74) N-amyl acetate	10.841	43	334449	52.950	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	273908	49.936	ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	214490m	43.623	ug/l	
77) Bromobenzene	11.195	156	199395	51.653	ug/l	88
78) n-propylbenzene	11.304	91	950174	53.945	ug/l	99
79) 2-Chlorotoluene	11.365	91	557334	51.318	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	702337	53.324	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	88421	57.606	ug/l	86
82) 4-Chlorotoluene	11.451	91	644203	52.688	ug/l	96
83) tert-Butylbenzene	11.713	119	717994	53.937	ug/l	94
84) 1,2,4-Trimethylbenzene	11.749	105	699590	53.385	ug/l	97
85) sec-Butylbenzene	11.890	105	878118	54.374	ug/l	99
86) p-Isopropyltoluene	12.012	119	739891	54.989	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	376146	52.272	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	377245	51.232	ug/l	97
89) n-Butylbenzene	12.335	91	655781	55.635	ug/l	97
90) Hexachloroethane	12.536	117	134082	58.814	ug/l	84
91) 1,2-Dichlorobenzene	12.335	146	379940	51.714	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.938	75	59910	54.793	ug/l	76
93) 1,2,4-Trichlorobenzene	13.585	180	247566	57.205	ug/l	97
94) Hexachlorobutadiene	13.725	225	114340	56.577	ug/l	99
95) Naphthalene	13.774	128	810560	55.380	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	251367	56.441	ug/l	97

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

