

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101023\
 Data File : VX038186.D
 Acq On : 10 Oct 2023 09:13
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/11/2023
 Supervised By : Mahesh Dadoda 10/11/2023

Quant Time: Oct 11 01:32:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 05 15:27:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.549	168	140821	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	231404	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	233830	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	133166	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	106058	46.824	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.640%		
35) Dibromofluoromethane	5.379	113	83420	50.030	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.060%		
50) Toluene-d8	8.646	98	318432	49.977	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.960%		
62) 4-Bromofluorobenzene	11.079	95	127528	52.795	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	105.580%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	69429	51.078	ug/l	98
3) Chloromethane	1.294	50	66280	47.842	ug/l	96
4) Vinyl Chloride	1.373	62	72882	47.448	ug/l	99
5) Bromomethane	1.599	94	93078	46.071	ug/l	99
6) Chloroethane	1.684	64	53605	47.881	ug/l	95
7) Trichlorofluoromethane	1.885	101	140135	46.188	ug/l	99
8) Diethyl Ether	2.129	74	51055	45.120	ug/l	79
9) 1,1,2-Trichlorotrifluo...	2.330	101	68504	51.720	ug/l	97
10) Methyl Iodide	2.452	142	92633	48.607	ug/l	94
11) Tert butyl alcohol	2.952	59	106623	211.543	ug/l #	93
12) 1,1-Dichloroethene	2.318	96	64335	49.934	ug/l	93
13) Acrolein	2.233	56	91171	283.143	ug/l	99
14) Allyl chloride	2.660	41	111050	48.188	ug/l	93
15) Acrylonitrile	3.056	53	245069	237.755	ug/l	99
16) Acetone	2.373	43	278509	294.624	ug/l	93
17) Carbon Disulfide	2.513	76	172859	46.550	ug/l	98
18) Methyl Acetate	2.696	43	194040	47.866	ug/l	93
19) Methyl tert-butyl Ether	3.111	73	246764	48.090	ug/l	100
20) Methylene Chloride	2.788	84	79178	44.530	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	76689	48.074	ug/l	89
22) Diisopropyl ether	3.757	45	240037	49.698	ug/l	88
23) Vinyl Acetate	3.714	43	888563	250.867	ug/l	97
24) 1,1-Dichloroethane	3.605	63	141854	48.395	ug/l	99
25) 2-Butanone	4.550	43	383948	251.733	ug/l	92
26) 2,2-Dichloropropane	4.470	77	119172	52.075	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	92222	48.541	ug/l	93
28) Bromochloromethane	4.891	49	69286	52.362	ug/l	91
29) Tetrahydrofuran	4.995	42	229517	231.131	ug/l	89
30) Chloroform	5.086	83	160048	49.932	ug/l	99
31) Cyclohexane	5.464	56	122617	49.966	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	137470	50.072	ug/l	99
36) 1,1-Dichloropropene	5.690	75	111989	48.705	ug/l	97
37) Ethyl Acetate	4.708	43	133969	49.059	ug/l	97
38) Carbon Tetrachloride	5.671	117	118431	52.358	ug/l	98
39) Methylcyclohexane	7.378	83	141231	52.439	ug/l	93
40) Benzene	6.031	78	327929	50.991	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.909	41	68336	50.304	ug/l #	90
42) 1,2-Dichloroethane	6.086	62	128615	50.055	ug/l	99
43) Isopropyl Acetate	6.330	43	206288	50.603	ug/l	97
44) Trichloroethene	7.122	130	88331	52.513	ug/l	96
45) 1,2-Dichloropropane	7.427	63	85660	51.463	ug/l	100
46) Dibromomethane	7.580	93	66001	51.125	ug/l	98
47) Bromodichloromethane	7.817	83	122918	53.523	ug/l	96
48) Methyl methacrylate	7.689	41	99297	51.024	ug/l	86
49) 1,4-Dioxane	7.653	88	43164	900.073	ug/l #	90
51) 4-Methyl-2-Pentanone	8.567	43	723315	257.237	ug/l	97
52) Toluene	8.713	92	218539	52.166	ug/l	92
53) t-1,3-Dichloropropene	8.976	75	137021	55.584	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	137859	53.228	ug/l	93
55) 1,1,2-Trichloroethane	9.146	97	92512	51.629	ug/l	95
56) Ethyl methacrylate	9.116	69	143511	52.237	ug/l	93
57) 1,3-Dichloropropane	9.305	76	151405	52.243	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	339331	251.626	ug/l	100
59) 2-Hexanone	9.427	43	608845	269.338	ug/l	96
60) Dibromochloromethane	9.518	129	98129	55.955	ug/l	99
61) 1,2-Dibromoethane	9.610	107	100783	52.011	ug/l	99
64) Tetrachloroethene	9.274	164	75925	50.157	ug/l	96
65) Chlorobenzene	10.079	112	241204	49.296	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.158	131	88271	53.349	ug/l	99
67) Ethyl Benzene	10.189	91	442171	50.627	ug/l	99
68) m/p-Xylenes	10.299	106	338210	100.148	ug/l	100
69) o-Xylene	10.640	106	165315	50.156	ug/l	100
70) Styrene	10.652	104	282619	52.652	ug/l	98
71) Bromoform	10.798	173	75093	48.985	ug/l #	99
73) Isopropylbenzene	10.963	105	441190	49.403	ug/l	99
74) N-amyl acetate	10.841	43	197272	51.728	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	166041	50.669	ug/l	98
76) 1,2,3-Trichloropropane	11.237	75	138730m	45.825	ug/l	
77) Bromobenzene	11.195	156	107650	49.374	ug/l	94
78) n-propylbenzene	11.304	91	548260	50.208	ug/l	99
79) 2-Chlorotoluene	11.365	91	313413	48.396	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	387361	50.276	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	49638	48.048	ug/l	92
82) 4-Chlorotoluene	11.451	91	379693	49.548	ug/l	98
83) tert-Butylbenzene	11.713	119	375061	49.819	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	392675	51.116	ug/l	99
85) sec-Butylbenzene	11.890	105	500722	51.344	ug/l	100
86) p-Isopropyltoluene	12.006	119	413992	51.452	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	215267	49.156	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	218989	48.981	ug/l	98
89) n-Butylbenzene	12.329	91	413236	51.569	ug/l	96
90) Hexachloroethane	12.536	117	72356	54.237	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	210460	49.997	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.944	75	41435	52.297	ug/l	91
93) 1,2,4-Trichlorobenzene	13.585	180	140492	49.761	ug/l	96
94) Hexachlorobutadiene	13.725	225	59110	52.017	ug/l	99
95) Naphthalene	13.774	128	476385	48.451	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	135957	49.733	ug/l	98

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

