

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101623\
 Data File : VX038294.D
 Acq On : 16 Oct 2023 11:08
 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 10/17/2023
 Supervised By : Mahesh Dadoda 10/18/2023

Quant Time: Oct 17 01:17:58 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	5.550	168	168570	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	276525	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	275707	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	154041	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	124227	45.818	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.640%		
35) Dibromofluoromethane	5.379	113	101190	50.785	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.560%		
50) Toluene-d8	8.647	98	368970	48.460	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.920%		
62) 4-Bromofluorobenzene	11.079	95	147893	51.235	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.480%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	93865	57.687	ug/l	98
3) Chloromethane	1.294	50	87821	52.955	ug/l	96
4) Vinyl Chloride	1.373	62	102800	55.908	ug/l	100
5) Bromomethane	1.599	94	124629	51.636	ug/l	97
6) Chloroethane	1.684	64	69564	51.574	ug/l	100
7) Trichlorofluoromethane	1.886	101	187399	51.598	ug/l	98
8) Diethyl Ether	2.129	74	65790	48.571	ug/l	80
9) 1,1,2-Trichlorotrifluo...	2.331	101	88605	55.884	ug/l	98
10) Methyl Iodide	2.453	142	119351	52.317	ug/l	95
11) Tert butyl alcohol	2.952	59	135497	225.292	ug/l #	91
12) 1,1-Dichloroethene	2.318	96	83542	54.168	ug/l	89
13) Acrolein	2.233	56	84914	220.301	ug/l	100
14) Allyl chloride	2.666	41	134216	48.653	ug/l #	94
15) Acrylonitrile	3.056	53	296529	240.323	ug/l	98
16) Acetone	2.373	43	389440	344.157	ug/l	92
17) Carbon Disulfide	2.507	76	224863	50.587	ug/l	98
18) Methyl Acetate	2.696	43	239584	49.372	ug/l	93
19) Methyl tert-butyl Ether	3.111	73	308964	50.300	ug/l	97
20) Methylene Chloride	2.788	84	98838	46.436	ug/l	90
21) trans-1,2-Dichloroethene	3.087	96	97411	51.012	ug/l	88
22) Diisopropyl ether	3.757	45	278068	48.095	ug/l #	91
23) Vinyl Acetate	3.721	43	1054846	248.789	ug/l	95
24) 1,1-Dichloroethane	3.605	63	170249	48.521	ug/l	99
25) 2-Butanone	4.550	43	477760	261.676	ug/l	91
26) 2,2-Dichloropropane	4.477	77	145242	53.019	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	114321	50.268	ug/l	90
28) Bromochloromethane	4.891	49	71034	44.846	ug/l #	82
29) Tetrahydrofuran	4.995	42	274829	231.203	ug/l #	86
30) Chloroform	5.092	83	193554	50.445	ug/l	95
31) Cyclohexane	5.470	56	147082	50.070	ug/l	90
32) 1,1,1-Trichloroethane	5.385	97	170783	51.966	ug/l	98
36) 1,1-Dichloropropene	5.690	75	139319	50.704	ug/l	97
37) Ethyl Acetate	4.708	43	161011	49.341	ug/l	96
38) Carbon Tetrachloride	5.678	117	148741	55.028	ug/l	98
39) Methylcyclohexane	7.378	83	174788	54.309	ug/l	92
40) Benzene	6.037	78	403233	52.469	ug/l	100

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41) Methacrylonitrile	4.909	41	80697	49.710	ug/l #	86
42) 1,2-Dichloroethane	6.086	62	153588	50.021	ug/l	98
43) Isopropyl Acetate	6.336	43	244238	50.136	ug/l #	95
44) Trichloroethene	7.122	130	109876	54.663	ug/l	99
45) 1,2-Dichloropropane	7.427	63	100590	50.572	ug/l	97
46) Dibromomethane	7.580	93	81351	52.733	ug/l	96
47) Bromodichloromethane	7.817	83	149182	54.359	ug/l	95
48) Methyl methacrylate	7.689	41	118410	50.917	ug/l #	85
49) 1,4-Dioxane	7.653	88	54160	945.086	ug/l #	85
51) 4-Methyl-2-Pentanone	8.573	43	854923	254.430	ug/l	96
52) Toluene	8.714	92	266850	53.305	ug/l	93
53) t-1,3-Dichloropropene	8.976	75	166642	56.569	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	171434	55.391	ug/l	90
55) 1,1,2-Trichloroethane	9.153	97	114440	53.445	ug/l	96
56) Ethyl methacrylate	9.116	69	174771	53.235	ug/l	91
57) 1,3-Dichloropropane	9.305	76	182880	52.806	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	373928	232.036	ug/l	97
59) 2-Hexanone	9.427	43	724091	268.052	ug/l	94
60) Dibromochloromethane	9.518	129	121849	58.143	ug/l	100
61) 1,2-Dibromoethane	9.610	107	127624	55.116	ug/l	100
64) Tetrachloroethene	9.274	164	94722	53.070	ug/l	99
65) Chlorobenzene	10.079	112	299643	51.938	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.158	131	109573	56.165	ug/l	99
67) Ethyl Benzene	10.195	91	535952	52.044	ug/l	99
68) m/p-Xylenes	10.299	106	415768	104.414	ug/l	99
69) o-Xylene	10.640	106	201889	51.948	ug/l	99
70) Styrene	10.652	104	342531	54.121	ug/l	96
71) Bromoform	10.799	173	91855	50.711	ug/l #	100
73) Isopropylbenzene	10.963	105	544102	52.670	ug/l	99
74) N-amyl acetate	10.841	43	224620	50.917	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	196595	51.863	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	184942m	52.811	ug/l	
77) Bromobenzene	11.195	156	132277	52.447	ug/l	91
78) n-propylbenzene	11.305	91	654639	51.826	ug/l	100
79) 2-Chlorotoluene	11.366	91	374693	50.018	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	472704	53.038	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	58795	49.103	ug/l	88
82) 4-Chlorotoluene	11.451	91	453969	51.212	ug/l	98
83) tert-Butylbenzene	11.713	119	463099	53.177	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	467615	52.623	ug/l	99
85) sec-Butylbenzene	11.890	105	595628	52.799	ug/l	100
86) p-Isopropyltoluene	12.006	119	502695	54.010	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	259960	51.317	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	262642	50.784	ug/l	98
89) n-Butylbenzene	12.335	91	486892	52.527	ug/l	97
90) Hexachloroethane	12.536	117	87111	56.449	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	252775	51.911	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	47219	51.520	ug/l	82
93) 1,2,4-Trichlorobenzene	13.585	180	168451	51.578	ug/l	97
94) Hexachlorobutadiene	13.725	225	72773	55.362	ug/l	99
95) Naphthalene	13.774	128	573021	50.382	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	164472	52.010	ug/l	98

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

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