

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111823\
 Data File : VX038918.D
 Acq On : 18 Nov 2023 11:11
 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 11/20/2023
 Supervised By : Mahesh Dadoda 11/20/2023

Quant Time: Nov 20 04:30:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 16 22:59:22 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	130414	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	235872	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	218648	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	110769	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	100531	47.840	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.680%		
35) Dibromofluoromethane	5.385	113	80688	47.365	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.740%		
50) Toluene-d8	8.647	98	303842	46.618	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	93.240%		
62) 4-Bromofluorobenzene	11.079	95	119469	45.789	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.580%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	80040	52.599	ug/l	99
3) Chloromethane	1.294	50	86572	43.588	ug/l	99
4) Vinyl Chloride	1.374	62	89286	46.669	ug/l	99
5) Bromomethane	1.599	94	45538	57.569	ug/l	100
6) Chloroethane	1.678	64	55366	50.710	ug/l	97
7) Trichlorofluoromethane	1.886	101	125482	51.687	ug/l	98
8) Diethyl Ether	2.130	74	52809	49.943	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.325	101	75932	47.162	ug/l	99
10) Methyl Iodide	2.447	142	93368	47.647	ug/l	91
11) Tert butyl alcohol	2.959	59	154367	264.114	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	74478	45.820	ug/l	89
13) Acrolein	2.233	56	87752	283.783	ug/l	100
14) Allyl chloride	2.660	41	153014	47.018	ug/l	93
15) Acrylonitrile	3.062	53	308441	249.753	ug/l	99
16) Acetone	2.379	43	336346	300.666	ug/l #	89
17) Carbon Disulfide	2.508	76	204786	40.673	ug/l	99
18) Methyl Acetate	2.703	43	273040	51.386	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	290607	50.831	ug/l	98
20) Methylene Chloride	2.788	84	92610	45.924	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	82822	46.179	ug/l	93
22) Diisopropyl ether	3.757	45	295347	49.470	ug/l	89
23) Vinyl Acetate	3.721	43	1079736	251.114	ug/l	98
24) 1,1-Dichloroethane	3.605	63	159782	47.859	ug/l	99
25) 2-Butanone	4.550	43	477443	263.188	ug/l	95
26) 2,2-Dichloropropane	4.471	77	137803	47.584	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	98335	47.037	ug/l	96
28) Bromochloromethane	4.891	49	79013	49.293	ug/l	99
29) Tetrahydrofuran	5.001	42	296233	257.184	ug/l	97
30) Chloroform	5.086	83	159437	48.906	ug/l	99
31) Cyclohexane	5.464	56	140451	46.812	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	138580	49.077	ug/l	99
36) 1,1-Dichloropropene	5.690	75	117098	47.961	ug/l	98
37) Ethyl Acetate	4.708	43	165609	52.063	ug/l	98
38) Carbon Tetrachloride	5.672	117	117097	51.892	ug/l	99
39) Methylcyclohexane	7.379	83	149117	46.822	ug/l	94
40) Benzene	6.031	78	350684	48.562	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	85873	52.051	ug/l	93
42) 1,2-Dichloroethane	6.080	62	126063	52.690	ug/l	96
43) Isopropyl Acetate	6.336	43	264384	52.007	ug/l	98
44) Trichloroethene	7.123	130	87669	49.876	ug/l	97
45) 1,2-Dichloropropane	7.427	63	97466	50.154	ug/l	99
46) Dibromomethane	7.580	93	66788	51.536	ug/l	99
47) Bromodichloromethane	7.818	83	130881	50.884	ug/l	96
48) Methyl methacrylate	7.689	41	122683	49.739	ug/l	94
49) 1,4-Dioxane	7.653	88	54487	1141.850	ug/l #	95
51) 4-Methyl-2-Pentanone	8.573	43	856776	263.727	ug/l	99
52) Toluene	8.720	92	221386	49.403	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	152987	50.050	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	159470	50.507	ug/l	91
55) 1,1,2-Trichloroethane	9.153	97	94186	50.372	ug/l	91
56) Ethyl methacrylate	9.116	69	163798	51.775	ug/l	95
57) 1,3-Dichloropropane	9.305	76	157921	51.068	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	373824	253.652	ug/l	96
59) 2-Hexanone	9.427	43	704409	270.516	ug/l	97
60) Dibromochloromethane	9.518	129	99545	52.359	ug/l	99
61) 1,2-Dibromoethane	9.610	107	100364	51.152	ug/l	100
64) Tetrachloroethene	9.268	164	69721	51.300	ug/l	96
65) Chlorobenzene	10.079	112	234325	49.751	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	85835	50.663	ug/l	97
67) Ethyl Benzene	10.195	91	434609	50.224	ug/l	100
68) m/p-Xylenes	10.299	106	327394	100.018	ug/l	99
69) o-Xylene	10.640	106	161294	49.798	ug/l	98
70) Styrene	10.652	104	272025	49.729	ug/l	98
71) Bromoform	10.799	173	75449	53.419	ug/l #	100
73) Isopropylbenzene	10.963	105	422432	48.947	ug/l	99
74) N-amyl acetate	10.841	43	229140	50.226	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	165290	49.062	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	138952m	50.278	ug/l	
77) Bromobenzene	11.195	156	94808	48.889	ug/l	98
78) n-propylbenzene	11.305	91	522716	49.205	ug/l	98
79) 2-Chlorotoluene	11.366	91	304394	48.282	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	364488	50.228	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	59317	47.607	ug/l #	82
82) 4-Chlorotoluene	11.451	91	355300	48.876	ug/l	100
83) tert-Butylbenzene	11.713	119	354838	49.650	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	363987	49.556	ug/l	99
85) sec-Butylbenzene	11.890	105	463195	49.549	ug/l	99
86) p-Isopropyltoluene	12.006	119	376211	50.132	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	187922	49.486	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	191090	49.165	ug/l	99
89) n-Butylbenzene	12.329	91	374032	49.401	ug/l	97
90) Hexachloroethane	12.536	117	73351	48.946	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	180672	50.161	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	42877	51.946	ug/l	93
93) 1,2,4-Trichlorobenzene	13.585	180	121120	50.182	ug/l	96
94) Hexachlorobutadiene	13.725	225	42502	49.725	ug/l	99
95) Naphthalene	13.774	128	444838	49.485	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	116182	50.779	ug/l	99

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

