

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111723\
 Data File : VX038916.D
 Acq On : 18 Nov 2023 07:49
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/20/2023
 Supervised By : Mahesh Dadoda 11/20/2023

Quant Time: Nov 20 00:36:31 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	5.550	168	117875	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	222275	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	209441	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	105269	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	101678	53.532	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.060%			
35) Dibromofluoromethane	5.385	113	81794	50.952	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.900%			
50) Toluene-d8	8.647	98	294116	47.886	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.780%			
62) 4-Bromofluorobenzene	11.079	95	116886	47.540	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.080%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	68822	50.038	ug/l	96
3) Chloromethane	1.301	50	85988	47.900	ug/l	99
4) Vinyl Chloride	1.374	62	84995	49.152	ug/l	100
5) Bromomethane	1.599	94	43507	60.852	ug/l	98
6) Chloroethane	1.679	64	52194	52.890	ug/l	98
7) Trichlorofluoromethane	1.886	101	110831	50.508	ug/l	100
8) Diethyl Ether	2.136	74	50799	53.152	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	64904	44.601	ug/l	97
10) Methyl Iodide	2.453	142	90084	50.861	ug/l	92
11) Tert butyl alcohol	2.965	59	163074	308.692	ug/l #	93
12) 1,1-Dichloroethene	2.319	96	68778	46.814	ug/l	91
13) Acrolein	2.233	56	75072	268.603	ug/l	99
14) Allyl chloride	2.660	41	141467	48.094	ug/l	92
15) Acrylonitrile	3.063	53	310214	277.909	ug/l	99
16) Acetone	2.380	43	259125	256.277	ug/l	90
17) Carbon Disulfide	2.508	76	190183	41.790	ug/l	99
18) Methyl Acetate	2.703	43	282838	58.892	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	283024	54.771	ug/l	98
20) Methylene Chloride	2.788	84	86883	47.668	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	76684	47.305	ug/l	95
22) Diisopropyl ether	3.764	45	288362	53.438	ug/l #	84
23) Vinyl Acetate	3.721	43	997422	256.646	ug/l	99
24) 1,1-Dichloroethane	3.611	63	153645	50.916	ug/l	100
25) 2-Butanone	4.556	43	451030	275.076	ug/l	96
26) 2,2-Dichloropropane	4.477	77	85405	32.628	ug/l	93
27) cis-1,2-Dichloroethene	4.489	96	94843	50.193	ug/l	92
28) Bromochloromethane	4.904	49	77932	53.790	ug/l	98
29) Tetrahydrofuran	5.001	42	299262	287.451	ug/l	98
30) Chloroform	5.093	83	155898	52.908	ug/l	98
31) Cyclohexane	5.465	56	121025	44.629	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	128584	50.381	ug/l	98
36) 1,1-Dichloropropene	5.696	75	106259	46.183	ug/l	98
37) Ethyl Acetate	4.715	43	162880	54.337	ug/l	98
38) Carbon Tetrachloride	5.678	117	106714	50.184	ug/l	99
39) Methylcyclohexane	7.379	83	125390	41.781	ug/l	97
40) Benzene	6.038	78	334565	49.164	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	86365	55.551	ug/l	94
42) 1,2-Dichloroethane	6.086	62	123774	54.898	ug/l	98
43) Isopropyl Acetate	6.336	43	260113	54.297	ug/l	98
44) Trichloroethene	7.123	130	81949	49.474	ug/l	98
45) 1,2-Dichloropropane	7.428	63	92669	50.603	ug/l	99
46) Dibromomethane	7.580	93	65646	53.753	ug/l	98
47) Bromodichloromethane	7.818	83	124647	51.424	ug/l	99
48) Methyl methacrylate	7.690	41	122255	52.598	ug/l	93
49) 1,4-Dioxane	7.659	88	56651	1259.823	ug/l #	93
51) 4-Methyl-2-Pentanone	8.574	43	864932	282.523	ug/l	99
52) Toluene	8.720	92	203724	48.243	ug/l	95
53) t-1,3-Dichloropropene	8.976	75	137152	47.614	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	142504	47.894	ug/l	91
55) 1,1,2-Trichloroethane	9.153	97	91490	51.923	ug/l	95
56) Ethyl methacrylate	9.116	69	159497	53.499	ug/l	95
57) 1,3-Dichloropropane	9.305	76	153662	52.730	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	367727	264.779	ug/l	96
59) 2-Hexanone	9.427	43	684399	278.910	ug/l	96
60) Dibromochloromethane	9.519	129	95530	53.320	ug/l	100
61) 1,2-Dibromoethane	9.610	107	97695	52.838	ug/l	100
64) Tetrachloroethene	9.269	164	67520	51.865	ug/l	96
65) Chlorobenzene	10.080	112	216285	47.940	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	81378	50.144	ug/l	98
67) Ethyl Benzene	10.195	91	393257	47.443	ug/l	98
68) m/p-Xylenes	10.299	106	295086	94.111	ug/l	99
69) o-Xylene	10.640	106	149879	48.308	ug/l	100
70) Styrene	10.653	104	252431	48.176	ug/l	98
71) Bromoform	10.799	173	72018	53.232	ug/l #	99
73) Isopropylbenzene	10.964	105	379233	46.237	ug/l	99
74) N-amyl acetate	10.842	43	220753	50.915	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.214	83	161483	50.436	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	155596m	59.242	ug/l	
77) Bromobenzene	11.195	156	88717	48.138	ug/l	96
78) n-propylbenzene	11.305	91	461550	45.717	ug/l	98
79) 2-Chlorotoluene	11.366	91	273947	45.723	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	328828	47.681	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	49369	41.693	ug/l #	84
82) 4-Chlorotoluene	11.451	91	323770	46.866	ug/l	100
83) tert-Butylbenzene	11.713	119	311133	45.809	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	330305	47.320	ug/l	100
85) sec-Butylbenzene	11.890	105	410801	46.240	ug/l	98
86) p-Isopropyltoluene	12.006	119	326634	45.800	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	171691	47.574	ug/l	100
88) 1,4-Dichlorobenzene	12.043	146	172805	46.784	ug/l	100
89) n-Butylbenzene	12.329	91	318165	44.217	ug/l	97
90) Hexachloroethane	12.536	117	64785	45.489	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	168449	49.211	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	41753	53.227	ug/l	92
93) 1,2,4-Trichlorobenzene	13.585	180	108974	47.508	ug/l	97
94) Hexachlorobutadiene	13.725	225	36391	44.800	ug/l	97
95) Naphthalene	13.774	128	430223	50.360	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	107393	49.390	ug/l	100

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

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