

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111323\
 Data File : VX038773.D
 Acq On : 13 Nov 2023 12:04
 Operator : JC/MD
 Sample : VX1113WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1113WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/14/2023
 Supervised By : Mahesh Dadoda 11/15/2023

Quant Time: Nov 14 05:30:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110723W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 08 03:19:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	293556	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	445805	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	428528	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	246899	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	161338	44.146	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	88.300%		
35) Dibromofluoromethane	5.385	113	145920	45.446	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.900%		
50) Toluene-d8	8.647	98	511030	44.478	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	88.960%#		
62) 4-Bromofluorobenzene	11.079	95	205486	46.128	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.260%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	58186	19.087	ug/l	97
3) Chloromethane	1.294	50	43599	16.546	ug/l	97
4) Vinyl Chloride	1.374	62	50078	17.853	ug/l	98
5) Bromomethane	1.605	94	41290	19.071	ug/l	91
6) Chloroethane	1.691	64	31045	17.479	ug/l	96
7) Trichlorofluoromethane	1.892	101	95523	19.752	ug/l	99
8) Diethyl Ether	2.130	74	31368	18.895	ug/l	74
9) 1,1,2-Trichlorotrifluo...	2.331	101	57003	19.935	ug/l	89
10) Methyl Iodide	2.453	142	74351	21.054	ug/l	92
11) Tert butyl alcohol	2.947	59	74114	99.201	ug/l	# 94
12) 1,1-Dichloroethene	2.319	96	50604	18.471	ug/l	85
13) Acrolein	2.233	56	68723	121.365	ug/l	99
14) Allyl chloride	2.666	41	68843	17.544	ug/l	# 95
15) Acrylonitrile	3.056	53	155972	98.922	ug/l	99
16) Acetone	2.373	43	164482	106.865	ug/l	90
17) Carbon Disulfide	2.514	76	123476	16.962	ug/l	98
18) Methyl Acetate	2.697	43	128151	19.543	ug/l	# 87
19) Methyl tert-butyl Ether	3.111	73	172131	19.648	ug/l	97
20) Methylene Chloride	2.788	84	58041	18.706	ug/l	# 80
21) trans-1,2-Dichloroethene	3.093	96	55604	18.643	ug/l	85
22) Diisopropyl ether	3.757	45	139881	18.914	ug/l	# 90
23) Vinyl Acetate	3.715	43	506168	96.426	ug/l	# 92
24) 1,1-Dichloroethane	3.605	63	90856	18.569	ug/l	97
25) 2-Butanone	4.550	43	219231	98.324	ug/l	# 84
26) 2,2-Dichloropropane	4.477	77	79724	18.661	ug/l	93
27) cis-1,2-Dichloroethene	4.489	96	66056	19.179	ug/l	84
28) Bromochloromethane	4.897	49	46028	20.932	ug/l	# 56
29) Tetrahydrofuran	5.001	42	133122	95.962	ug/l	# 80
30) Chloroform	5.086	83	105991	18.462	ug/l	98
31) Cyclohexane	5.471	56	71523	17.683	ug/l	# 84
32) 1,1,1-Trichloroethane	5.379	97	95931	18.988	ug/l	95
36) 1,1-Dichloropropene	5.690	75	72492	18.175	ug/l	92
37) Ethyl Acetate	4.708	43	77069	18.926	ug/l	# 95
38) Carbon Tetrachloride	5.678	117	85651	19.209	ug/l	97
39) Methylcyclohexane	7.379	83	92221	18.494	ug/l	89
40) Benzene	6.037	78	215365	18.747	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	39664	19.119	ug/l #	84
42) 1,2-Dichloroethane	6.086	62	82818	19.980	ug/l	96
43) Isopropyl Acetate	6.336	43	115784	18.494	ug/l #	90
44) Trichloroethene	7.123	130	68134	19.062	ug/l	89
45) 1,2-Dichloropropane	7.427	63	53338	19.207	ug/l	100
46) Dibromomethane	7.580	93	45156	19.443	ug/l #	85
47) Bromodichloromethane	7.818	83	81258	18.604	ug/l	97
48) Methyl methacrylate	7.690	41	56825	18.835	ug/l #	82
49) 1,4-Dioxane	7.659	88	28242	411.188	ug/l #	82
51) 4-Methyl-2-Pentanone	8.568	43	408741	100.208	ug/l	92
52) Toluene	8.714	92	145199	19.294	ug/l	95
53) t-1,3-Dichloropropene	8.976	75	83986	18.887	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	90951	19.375	ug/l #	85
55) 1,1,2-Trichloroethane	9.147	97	63095	19.760	ug/l	99
56) Ethyl methacrylate	9.116	69	88633	19.840	ug/l #	84
57) 1,3-Dichloropropane	9.305	76	98953	19.897	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	218854	99.637	ug/l #	89
59) 2-Hexanone	9.427	43	327766	99.311	ug/l	90
60) Dibromochloromethane	9.519	129	69970	19.521	ug/l	99
61) 1,2-Dibromoethane	9.610	107	70742	19.713	ug/l	99
64) Tetrachloroethene	9.275	164	61397	19.141	ug/l	95
65) Chlorobenzene	10.079	112	171311	19.638	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	64680	19.723	ug/l	99
67) Ethyl Benzene	10.189	91	286600	19.423	ug/l	99
68) m/p-Xylenes	10.299	106	227345	38.820	ug/l	96
69) o-Xylene	10.640	106	110056	19.325	ug/l	96
70) Styrene	10.652	104	182848	19.453	ug/l	96
71) Bromoform	10.799	173	54735	18.910	ug/l #	100
73) Isopropylbenzene	10.963	105	295755	19.525	ug/l	97
74) N-amyl acetate	10.841	43	96836	18.400	ug/l	90
75) 1,1,2,2-Tetrachloroethane	11.213	83	100928	19.274	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	84211m	17.222	ug/l	
77) Bromobenzene	11.195	156	79582	19.144	ug/l	82
78) n-propylbenzene	11.305	91	339840	19.280	ug/l	95
79) 2-Chlorotoluene	11.360	91	203671	19.300	ug/l	93
80) 1,3,5-Trimethylbenzene	11.451	105	254215	19.500	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	26446	18.511	ug/l	90
82) 4-Chlorotoluene	11.451	91	241104	19.557	ug/l	92
83) tert-Butylbenzene	11.713	119	255396	19.334	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	253282	19.589	ug/l	95
85) sec-Butylbenzene	11.890	105	317207	19.245	ug/l	97
86) p-Isopropyltoluene	12.006	119	274706	19.564	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	152505	19.188	ug/l	96
88) 1,4-Dichlorobenzene	12.042	146	156186	19.118	ug/l	97
89) n-Butylbenzene	12.329	91	235713	18.865	ug/l	96
90) Hexachloroethane	12.536	117	43874	18.447	ug/l	76
91) 1,2-Dichlorobenzene	12.335	146	147087	18.950	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.939	75	24787	18.834	ug/l	66
93) 1,2,4-Trichlorobenzene	13.585	180	106896	19.254	ug/l	97
94) Hexachlorobutadiene	13.725	225	47242	19.720	ug/l	98
95) Naphthalene	13.774	128	330445	19.732	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	106337	19.432	ug/l	97

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

