

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110823\
 Data File : VX038646.D
 Acq On : 08 Nov 2023 11:26
 Operator : JC/MD
 Sample : VX1108WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1108WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/09/2023
 Supervised By : Semsettin Yesilyurt 11/09/2023

Quant Time: Nov 09 01:18:26 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	329915	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	496041	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	477850	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	274384	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	193997	47.232	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.460%		
35) Dibromofluoromethane	5.379	113	172648	48.325	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.660%		
50) Toluene-d8	8.647	98	609310	47.661	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.320%		
62) 4-Bromofluorobenzene	11.079	95	242995	49.024	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.040%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	64171	18.730	ug/l	99
3) Chloromethane	1.294	50	50258	16.972	ug/l	99
4) Vinyl Chloride	1.374	62	55668	17.658	ug/l	99
5) Bromomethane	1.611	94	46560	19.135	ug/l	99
6) Chloroethane	1.691	64	35554	17.812	ug/l	100
7) Trichlorofluoromethane	1.892	101	101388	18.655	ug/l	97
8) Diethyl Ether	2.130	74	34405	18.440	ug/l	73
9) 1,1,2-Trichlorotrifluo...	2.331	101	60684	18.884	ug/l	91
10) Methyl Iodide	2.453	142	81543	20.546	ug/l	92
11) Tert butyl alcohol	2.947	59	68063	81.061	ug/l	# 93
12) 1,1-Dichloroethene	2.319	96	55513	18.030	ug/l	84
13) Acrolein	2.233	56	57497	90.349	ug/l	99
14) Allyl chloride	2.666	41	78304	17.756	ug/l	# 95
15) Acrylonitrile	3.056	53	163022	91.999	ug/l	99
16) Acetone	2.373	43	162840	94.138	ug/l	92
17) Carbon Disulfide	2.514	76	145297	17.760	ug/l	100
18) Methyl Acetate	2.703	43	135693	18.413	ug/l	# 88
19) Methyl tert-butyl Ether	3.111	73	187049	18.998	ug/l	96
20) Methylene Chloride	2.788	84	63627	18.247	ug/l	# 83
21) trans-1,2-Dichloroethene	3.093	96	60553	18.065	ug/l	84
22) Diisopropyl ether	3.757	45	156263	18.801	ug/l	# 92
23) Vinyl Acetate	3.721	43	576357	97.697	ug/l	# 92
24) 1,1-Dichloroethane	3.611	63	99025	18.008	ug/l	97
25) 2-Butanone	4.550	43	230265	91.892	ug/l	# 89
26) 2,2-Dichloropropane	4.477	77	86176	17.949	ug/l	94
27) cis-1,2-Dichloroethene	4.483	96	70996	18.342	ug/l	85
28) Bromochloromethane	4.891	49	49130	19.881	ug/l	# 60
29) Tetrahydrofuran	5.001	42	142015	91.090	ug/l	# 82
30) Chloroform	5.093	83	115803	17.948	ug/l	98
31) Cyclohexane	5.464	56	82562	18.162	ug/l	85
32) 1,1,1-Trichloroethane	5.379	97	102835	18.111	ug/l	96
36) 1,1-Dichloropropene	5.690	75	82317	18.549	ug/l	95
37) Ethyl Acetate	4.708	43	85221	18.808	ug/l	# 94
38) Carbon Tetrachloride	5.672	117	92207	18.585	ug/l	97
39) Methylcyclohexane	7.379	83	103624	18.676	ug/l	91
40) Benzene	6.037	78	236860	18.530	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	45054	19.518	ug/l #	86
42) 1,2-Dichloroethane	6.086	62	89760	19.461	ug/l	96
43) Isopropyl Acetate	6.336	43	129275	18.558	ug/l #	91
44) Trichloroethene	7.123	130	73572	18.499	ug/l	91
45) 1,2-Dichloropropane	7.427	63	58191	18.832	ug/l	99
46) Dibromomethane	7.580	93	48830	18.896	ug/l #	85
47) Bromodichloromethane	7.818	83	89753	18.468	ug/l	99
48) Methyl methacrylate	7.690	41	64181	19.118	ug/l #	85
49) 1,4-Dioxane	7.653	88	25089	328.288	ug/l #	87
51) 4-Methyl-2-Pentanone	8.568	43	436520	96.180	ug/l	93
52) Toluene	8.714	92	159563	19.056	ug/l	95
53) t-1,3-Dichloropropene	8.976	75	92875	18.771	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	98926	18.940	ug/l #	88
55) 1,1,2-Trichloroethane	9.147	97	69358	19.522	ug/l	99
56) Ethyl methacrylate	9.116	69	97155	19.545	ug/l	88
57) 1,3-Dichloropropane	9.305	76	106998	19.335	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	245023	100.253	ug/l	92
59) 2-Hexanone	9.427	43	353173	96.172	ug/l	92
60) Dibromochloromethane	9.519	129	75727	18.987	ug/l	100
61) 1,2-Dibromoethane	9.610	107	76703	19.210	ug/l	99
64) Tetrachloroethene	9.275	164	66706	18.649	ug/l	97
65) Chlorobenzene	10.079	112	185874	19.108	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	69161	18.913	ug/l	99
67) Ethyl Benzene	10.195	91	312105	18.968	ug/l	98
68) m/p-Xylenes	10.299	106	247040	37.829	ug/l	97
69) o-Xylene	10.640	106	120504	18.975	ug/l	96
70) Styrene	10.653	104	199346	19.019	ug/l	96
71) Bromoform	10.799	173	59212	18.345	ug/l #	98
73) Isopropylbenzene	10.963	105	317541	18.864	ug/l	97
74) N-amyl acetate	10.841	43	111875	19.128	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.213	83	109589	18.831	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	91313m	16.804	ug/l	
77) Bromobenzene	11.195	156	85192	18.440	ug/l	83
78) n-propylbenzene	11.305	91	372052	18.993	ug/l	97
79) 2-Chlorotoluene	11.366	91	221647	18.899	ug/l	94
80) 1,3,5-Trimethylbenzene	11.451	105	276721	19.101	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	30058	18.899	ug/l	89
82) 4-Chlorotoluene	11.451	91	261795	19.108	ug/l	93
83) tert-Butylbenzene	11.713	119	274612	18.707	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	275229	19.154	ug/l	96
85) sec-Butylbenzene	11.890	105	344989	18.834	ug/l	97
86) p-Isopropyltoluene	12.006	119	300758	19.274	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	163759	18.540	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	168261	18.533	ug/l	98
89) n-Butylbenzene	12.329	91	261641	18.842	ug/l	96
90) Hexachloroethane	12.536	117	47791	18.081	ug/l	76
91) 1,2-Dichlorobenzene	12.335	146	160324	18.586	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	26206	17.917	ug/l	66
93) 1,2,4-Trichlorobenzene	13.585	180	117018	18.966	ug/l	96
94) Hexachlorobutadiene	13.725	225	48834	18.343	ug/l	98
95) Naphthalene	13.774	128	363658	19.540	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	114949	18.902	ug/l	97

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

