

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111023\
 Data File : VX038749.D
 Acq On : 11 Nov 2023 01:16
 Operator : JC/MD
 Sample : VX1110WBSD02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1110WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/13/2023
 Supervised By : Mahesh Dadoda 11/13/2023

Quant Time: Nov 11 02:04:16 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	5.556	168	297625	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	457048	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	436293	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	248655	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	166568	44.954	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.900%		
35) Dibromofluoromethane	5.385	113	152333	46.277	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.560%		
50) Toluene-d8	8.647	98	537951	45.669	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	91.340%#		
62) 4-Bromofluorobenzene	11.079	95	214120	46.884	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.760%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	61111	19.772	ug/l	95
3) Chloromethane	1.294	50	46667	17.469	ug/l	97
4) Vinyl Chloride	1.374	62	53490	18.808	ug/l	97
5) Bromomethane	1.605	94	44057	20.071	ug/l	97
6) Chloroethane	1.691	64	34355	19.078	ug/l	100
7) Trichlorofluoromethane	1.892	101	100199	20.436	ug/l	97
8) Diethyl Ether	2.136	74	32618	19.379	ug/l	74
9) 1,1,2-Trichlorotrifluo...	2.331	101	56956	19.646	ug/l	89
10) Methyl Iodide	2.453	142	79395	22.175	ug/l	92
11) Tert butyl alcohol	2.953	59	70651	93.273	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	54251	19.532	ug/l #	79
13) Acrolein	2.233	56	45159	78.660	ug/l	99
14) Allyl chloride	2.666	41	71028	17.853	ug/l #	94
15) Acrylonitrile	3.062	53	157384	98.453	ug/l	99
16) Acetone	2.373	43	135822	87.038	ug/l #	88
17) Carbon Disulfide	2.514	76	131396	17.803	ug/l	99
18) Methyl Acetate	2.703	43	134021	20.159	ug/l #	85
19) Methyl tert-butyl Ether	3.111	73	173629	19.548	ug/l	95
20) Methylene Chloride	2.788	84	61316	19.492	ug/l #	81
21) trans-1,2-Dichloroethene	3.093	96	58718	19.418	ug/l	84
22) Diisopropyl ether	3.757	45	143191	19.097	ug/l #	92
23) Vinyl Acetate	3.721	43	471173	88.532	ug/l #	91
24) 1,1-Dichloroethane	3.611	63	95188	19.188	ug/l	97
25) 2-Butanone	4.556	43	209498	92.675	ug/l #	86
26) 2,2-Dichloropropane	4.471	77	66983	15.465	ug/l	93
27) cis-1,2-Dichloroethene	4.489	96	68721	19.680	ug/l	82
28) Bromochloromethane	4.897	49	45437	20.381	ug/l #	56
29) Tetrahydrofuran	5.001	42	134589	95.693	ug/l #	79
30) Chloroform	5.093	83	111723	19.195	ug/l	97
31) Cyclohexane	5.477	56	75132	18.321	ug/l	89
32) 1,1,1-Trichloroethane	5.385	97	99813	19.486	ug/l	95
36) 1,1-Dichloropropene	5.696	75	78036	19.084	ug/l	94
37) Ethyl Acetate	4.715	43	76249	18.264	ug/l #	92
38) Carbon Tetrachloride	5.678	117	88340	19.325	ug/l	98
39) Methylcyclohexane	7.385	83	91595	17.916	ug/l	87
40) Benzene	6.037	78	225320	19.131	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	39932	18.774	ug/l #	82
42) 1,2-Dichloroethane	6.086	62	84756	19.944	ug/l	95
43) Isopropyl Acetate	6.336	43	117176	18.256	ug/l #	91
44) Trichloroethene	7.129	130	74175	20.242	ug/l	88
45) 1,2-Dichloropropane	7.434	63	54922	19.290	ug/l	99
46) Dibromomethane	7.580	93	46653	19.594	ug/l #	85
47) Bromodichloromethane	7.824	83	84655	18.905	ug/l	97
48) Methyl methacrylate	7.690	41	57867	18.708	ug/l #	82
49) 1,4-Dioxane	7.659	88	29116	413.485	ug/l #	83
51) 4-Methyl-2-Pentanone	8.574	43	410282	98.112	ug/l	91
52) Toluene	8.720	92	152702	19.792	ug/l	94
53) t-1,3-Dichloropropene	8.976	75	82853	18.174	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	89841	18.668	ug/l #	84
55) 1,1,2-Trichloroethane	9.153	97	65699	20.069	ug/l	97
56) Ethyl methacrylate	9.116	69	90879	19.842	ug/l #	84
57) 1,3-Dichloropropane	9.305	76	101817	19.969	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	216370	96.083	ug/l #	89
59) 2-Hexanone	9.427	43	326919	96.617	ug/l	90
60) Dibromochloromethane	9.519	129	72901	19.838	ug/l	100
61) 1,2-Dibromoethane	9.610	107	73773	20.052	ug/l	100
64) Tetrachloroethene	9.275	164	67263	20.596	ug/l	95
65) Chlorobenzene	10.079	112	181176	20.399	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	67278	20.150	ug/l	99
67) Ethyl Benzene	10.195	91	298645	19.879	ug/l	98
68) m/p-Xylenes	10.299	106	241872	40.565	ug/l	94
69) o-Xylene	10.640	106	115007	19.834	ug/l	97
70) Styrene	10.652	104	195176	20.395	ug/l	95
71) Bromoform	10.799	173	56289	19.101	ug/l #	99
73) Isopropylbenzene	10.963	105	307545	20.160	ug/l	97
74) N-amyl acetate	10.841	43	96040	18.119	ug/l	90
75) 1,1,2,2-Tetrachloroethane	11.213	83	104801	19.872	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	96423m	19.580	ug/l	
77) Bromobenzene	11.195	156	84938	20.288	ug/l	81
78) n-propylbenzene	11.305	91	350795	19.761	ug/l	96
79) 2-Chlorotoluene	11.366	91	212415	19.986	ug/l	93
80) 1,3,5-Trimethylbenzene	11.451	105	262732	20.011	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	24929	17.418	ug/l	89
82) 4-Chlorotoluene	11.451	91	247109	19.902	ug/l	93
83) tert-Butylbenzene	11.713	119	263313	19.793	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	263483	20.234	ug/l	96
85) sec-Butylbenzene	11.890	105	326121	19.646	ug/l	97
86) p-Isopropyltoluene	12.006	119	281424	19.901	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	157431	19.668	ug/l	96
88) 1,4-Dichlorobenzene	12.042	146	161162	19.588	ug/l	97
89) n-Butylbenzene	12.335	91	233510	18.556	ug/l	97
90) Hexachloroethane	12.536	117	45057	18.811	ug/l	77
91) 1,2-Dichlorobenzene	12.335	146	154327	19.742	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.939	75	24446	18.443	ug/l	64
93) 1,2,4-Trichlorobenzene	13.585	180	109324	19.553	ug/l	96
94) Hexachlorobutadiene	13.725	225	46371	19.220	ug/l	98
95) Naphthalene	13.774	128	342086	20.283	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	108205	19.634	ug/l	96

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

