

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110923\
 Data File : VX038697.D
 Acq On : 10 Nov 2023 02:01
 Operator : JC/MD
 Sample : VX1109WBS02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1109WBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/10/2023
 Supervised By : Mahesh Dadoda 11/13/2023

Quant Time: Nov 10 05:11:39 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	314858	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	487256	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	470626	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	268708	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	193133	49.270	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.540%		
35) Dibromofluoromethane	5.385	113	175537	50.020	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.040%		
50) Toluene-d8	8.647	98	624427	49.724	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.440%		
62) 4-Bromofluorobenzene	11.079	95	247095	50.750	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.500%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	63948	19.557	ug/l	100
3) Chloromethane	1.295	50	49551	17.533	ug/l	97
4) Vinyl Chloride	1.374	62	55540	18.460	ug/l	99
5) Bromomethane	1.605	94	45900	19.766	ug/l	100
6) Chloroethane	1.691	64	36107	18.954	ug/l	100
7) Trichlorofluoromethane	1.892	101	103143	19.885	ug/l	97
8) Diethyl Ether	2.136	74	33886	19.031	ug/l	76
9) 1,1,2-Trichlorotrifluo...	2.331	101	59042	19.251	ug/l	90
10) Methyl Iodide	2.453	142	83550	22.058	ug/l	90
11) Tert butyl alcohol	2.953	59	63991	79.856	ug/l	# 91
12) 1,1-Dichloroethene	2.319	96	55370	18.844	ug/l	# 80
13) Acrolein	2.233	56	45783	75.382	ug/l	99
14) Allyl chloride	2.666	41	73585	17.484	ug/l	# 94
15) Acrylonitrile	3.063	53	163875	96.903	ug/l	99
16) Acetone	2.380	43	136684	82.796	ug/l	90
17) Carbon Disulfide	2.514	76	137946	17.668	ug/l	99
18) Methyl Acetate	2.703	43	147338	20.949	ug/l	# 87
19) Methyl tert-butyl Ether	3.111	73	179906	19.146	ug/l	98
20) Methylene Chloride	2.788	84	63086	18.957	ug/l	# 83
21) trans-1,2-Dichloroethene	3.093	96	61048	19.083	ug/l	83
22) Diisopropyl ether	3.758	45	150541	18.978	ug/l	# 93
23) Vinyl Acetate	3.721	43	474271	84.237	ug/l	# 90
24) 1,1-Dichloroethane	3.611	63	98327	18.736	ug/l	97
25) 2-Butanone	4.550	43	213365	89.219	ug/l	# 87
26) 2,2-Dichloropropane	4.477	77	65657	14.329	ug/l	94
27) cis-1,2-Dichloroethene	4.489	96	70891	19.190	ug/l	82
28) Bromochloromethane	4.904	49	37155	15.754	ug/l	# 58
29) Tetrahydrofuran	5.001	42	139243	93.583	ug/l	# 81
30) Chloroform	5.093	83	115799	18.806	ug/l	98
31) Cyclohexane	5.477	56	80721	18.607	ug/l	86
32) 1,1,1-Trichloroethane	5.385	97	102241	18.867	ug/l	95
36) 1,1-Dichloropropene	5.696	75	80007	18.353	ug/l	93
37) Ethyl Acetate	4.715	43	80218	18.023	ug/l	# 94
38) Carbon Tetrachloride	5.678	117	90858	18.644	ug/l	96
39) Methylcyclohexane	7.379	83	97106	17.817	ug/l	88
40) Benzene	6.038	78	234984	18.715	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	41492	18.299	ug/l #	85
42) 1,2-Dichloroethane	6.093	62	86502	19.093	ug/l	96
43) Isopropyl Acetate	6.342	43	120616	17.627	ug/l #	90
44) Trichloroethene	7.129	130	74387	19.041	ug/l	89
45) 1,2-Dichloropropane	7.428	63	56589	18.644	ug/l	97
46) Dibromomethane	7.580	93	47275	18.624	ug/l #	85
47) Bromodichloromethane	7.824	83	86504	18.121	ug/l	95
48) Methyl methacrylate	7.696	41	61060	18.517	ug/l #	84
49) 1,4-Dioxane	7.659	88	26006	346.423	ug/l #	84
51) 4-Methyl-2-Pentanone	8.574	43	422450	94.759	ug/l	91
52) Toluene	8.720	92	158214	19.235	ug/l	95
53) t-1,3-Dichloropropene	8.976	75	84111	17.306	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	91070	17.750	ug/l #	86
55) 1,1,2-Trichloroethane	9.153	97	67232	19.264	ug/l	98
56) Ethyl methacrylate	9.116	69	93452	19.139	ug/l #	84
57) 1,3-Dichloropropane	9.305	76	102943	18.938	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.245	63	216463	90.165	ug/l	91
59) 2-Hexanone	9.427	43	334264	92.664	ug/l	90
60) Dibromochloromethane	9.519	129	72911	18.611	ug/l	99
61) 1,2-Dibromoethane	9.610	107	75495	19.248	ug/l	99
64) Tetrachloroethene	9.275	164	70208	19.930	ug/l	95
65) Chlorobenzene	10.080	112	182954	19.097	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	68798	19.103	ug/l	98
67) Ethyl Benzene	10.195	91	310463	19.158	ug/l	98
68) m/p-Xylenes	10.299	106	245790	38.215	ug/l	96
69) o-Xylene	10.640	106	119024	19.030	ug/l	96
70) Styrene	10.653	104	198436	19.223	ug/l	95
71) Bromoform	10.799	173	56966	17.920	ug/l #	99
73) Isopropylbenzene	10.964	105	316255	19.184	ug/l	97
74) N-amyl acetate	10.842	43	96779	16.896	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	11.214	83	108318	19.006	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	98432m	18.496	ug/l	
77) Bromobenzene	11.195	156	85084	18.806	ug/l	81
78) n-propylbenzene	11.305	91	364790	19.016	ug/l	97
79) 2-Chlorotoluene	11.366	91	220178	19.171	ug/l	94
80) 1,3,5-Trimethylbenzene	11.451	105	273565	19.282	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	24603	16.024	ug/l	89
82) 4-Chlorotoluene	11.451	91	255272	19.025	ug/l	93
83) tert-Butylbenzene	11.713	119	266532	18.540	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	272212	19.344	ug/l	96
85) sec-Butylbenzene	11.890	105	336991	18.786	ug/l	96
86) p-Isopropyltoluene	12.006	119	288739	18.895	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	163541	18.906	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	165653	18.632	ug/l	97
89) n-Butylbenzene	12.329	91	248814	18.297	ug/l	96
90) Hexachloroethane	12.536	117	46088	17.805	ug/l	75
91) 1,2-Dichlorobenzene	12.335	146	160614	19.013	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.939	75	26580	18.557	ug/l	71
93) 1,2,4-Trichlorobenzene	13.585	180	113224	18.739	ug/l	97
94) Hexachlorobutadiene	13.725	225	47594	18.255	ug/l	99
95) Naphthalene	13.774	128	351984	19.312	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	111058	18.648	ug/l	97

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

