

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092023\
 Data File : VX037823.D
 Acq On : 20 Sep 2023 11:14
 Operator : JC/MD
 Sample : VX0920WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0920WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/21/2023
 Supervised By : Mahesh Dadoda 09/21/2023

Quant Time: Sep 21 05:53:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 16 04:55:44 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	230755	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	377439	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	367072	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	200946	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	159093	52.475	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.960%			
35) Dibromofluoromethane	5.385	113	136634	54.103	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.200%			
50) Toluene-d8	8.647	98	503894	53.699	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 107.400%			
62) 4-Bromofluorobenzene	11.079	95	191779	56.243	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.480%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	43917	18.056	ug/l	96
3) Chloromethane	1.301	50	46508	17.574	ug/l	96
4) Vinyl Chloride	1.374	62	49609	17.376	ug/l	98
5) Bromomethane	1.605	94	40489	19.810	ug/l	98
6) Chloroethane	1.691	64	34635	17.610	ug/l	96
7) Trichlorofluoromethane	1.892	101	83588	18.211	ug/l	99
8) Diethyl Ether	2.130	74	33571	18.879	ug/l	81
9) 1,1,2-Trichlorotrifluo...	2.331	101	44897	19.274	ug/l	95
10) Methyl Iodide	2.453	142	55336	17.951	ug/l	92
11) Tert butyl alcohol	2.953	59	55766	85.693	ug/l	# 90
12) 1,1-Dichloroethene	2.319	96	41129	18.270	ug/l	90
13) Acrolein	2.233	56	64639	100.544	ug/l	99
14) Allyl chloride	2.666	41	67613	18.033	ug/l	# 94
15) Acrylonitrile	3.062	53	136386	94.262	ug/l	99
16) Acetone	2.374	43	126639	86.830	ug/l	93
17) Carbon Disulfide	2.514	76	96500	17.097	ug/l	99
18) Methyl Acetate	2.703	43	97857	18.599	ug/l	91
19) Methyl tert-butyl Ether	3.111	73	160799	19.417	ug/l	99
20) Methylene Chloride	2.788	84	54282	20.116	ug/l	90
21) trans-1,2-Dichloroethene	3.093	96	48184	19.275	ug/l	86
22) Diisopropyl ether	3.757	45	152308	19.502	ug/l	# 95
23) Vinyl Acetate	3.721	43	561369	97.720	ug/l	# 95
24) 1,1-Dichloroethane	3.611	63	88411	18.891	ug/l	99
25) 2-Butanone	4.556	43	182044	88.451	ug/l	# 89
26) 2,2-Dichloropropane	4.477	77	69582	18.400	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	58621	19.128	ug/l	89
28) Bromochloromethane	4.904	49	44771	20.506	ug/l	# 83
29) Tetrahydrofuran	5.001	42	114461	89.409	ug/l	89
30) Chloroform	5.093	83	97331	19.305	ug/l	94
31) Cyclohexane	5.477	56	71640	18.410	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	80837	18.936	ug/l	98
36) 1,1-Dichloropropene	5.696	75	66153	19.015	ug/l	95
37) Ethyl Acetate	4.708	43	71577	18.715	ug/l	96
38) Carbon Tetrachloride	5.678	117	68014	18.685	ug/l	96
39) Methylcyclohexane	7.379	83	83435	18.896	ug/l	96
40) Benzene	6.037	78	204111	19.079	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	36296	18.612	ug/l #	88
42) 1,2-Dichloroethane	6.092	62	77182	19.961	ug/l	96
43) Isopropyl Acetate	6.342	43	116214	19.003	ug/l	95
44) Trichloroethene	7.129	130	55853	18.747	ug/l	93
45) 1,2-Dichloropropane	7.434	63	54613	19.657	ug/l	95
46) Dibromomethane	7.580	93	40663	20.346	ug/l	94
47) Bromodichloromethane	7.824	83	72705	19.753	ug/l	100
48) Methyl methacrylate	7.696	41	55613	19.023	ug/l #	87
49) 1,4-Dioxane	7.659	88	28509	371.967	ug/l #	88
51) 4-Methyl-2-Pentanone	8.574	43	368006	94.845	ug/l	96
52) Toluene	8.720	92	133844	19.412	ug/l	93
53) t-1,3-Dichloropropene	8.982	75	78340	20.355	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	84799	19.909	ug/l #	88
55) 1,1,2-Trichloroethane	9.153	97	58729	20.203	ug/l	96
56) Ethyl methacrylate	9.116	69	83740	19.296	ug/l	92
57) 1,3-Dichloropropane	9.311	76	94363	20.060	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	196481	96.960	ug/l	98
59) 2-Hexanone	9.427	43	280851	92.965	ug/l	94
60) Dibromochloromethane	9.519	129	57820	19.966	ug/l	99
61) 1,2-Dibromoethane	9.610	107	62443	20.288	ug/l	99
64) Tetrachloroethene	9.275	164	47619	19.022	ug/l	98
65) Chlorobenzene	10.079	112	150419	18.998	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	53891	19.206	ug/l	99
67) Ethyl Benzene	10.195	91	263382	19.187	ug/l	99
68) m/p-Xylenes	10.299	106	204103	38.478	ug/l	98
69) o-Xylene	10.640	106	100304	18.857	ug/l	98
70) Styrene	10.653	104	168756	19.762	ug/l	96
71) Bromoform	10.799	173	41465	18.707	ug/l #	98
73) Isopropylbenzene	10.963	105	261722	17.753	ug/l	98
74) N-amyl acetate	10.842	43	105282	17.634	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	93364	18.007	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	82695m	17.793	ug/l	
77) Bromobenzene	11.195	156	67282	18.439	ug/l	88
78) n-propylbenzene	11.305	91	317417	19.065	ug/l	100
79) 2-Chlorotoluene	11.366	91	183719	17.896	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	228165	18.327	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	23697	16.333	ug/l	94
82) 4-Chlorotoluene	11.457	91	218445	18.901	ug/l	95
83) tert-Butylbenzene	11.713	119	222887	17.714	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	229952	18.564	ug/l	97
85) sec-Butylbenzene	11.890	105	287239	18.816	ug/l	99
86) p-Isopropyltoluene	12.006	119	242592	19.074	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	130788	19.228	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	134654	19.346	ug/l	98
89) n-Butylbenzene	12.329	91	224749	20.172	ug/l	97
90) Hexachloroethane	12.536	117	37489	17.397	ug/l	84
91) 1,2-Dichlorobenzene	12.335	146	130026	18.723	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	18667	18.062	ug/l	78
93) 1,2,4-Trichlorobenzene	13.585	180	88210	21.563	ug/l	97
94) Hexachlorobutadiene	13.725	225	37758	19.765	ug/l	99
95) Naphthalene	13.774	128	277477	20.056	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	85615	20.337	ug/l	98

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

