

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100423\
 Data File : VX038058.D
 Acq On : 04 Oct 2023 12:28
 Operator : JC/MD
 Sample : VX1004WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/05/2023
 Supervised By : Mahesh Dadoda 10/05/2023

Quant Time: Oct 05 01:00:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100323W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 04 09:08:35 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	128645	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	214808	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	208208	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	111078	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	105659	52.786	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.580%			
35) Dibromofluoromethane	5.385	113	79438	53.905	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.800%			
50) Toluene-d8	8.647	98	306784	54.397	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 108.800%			
62) 4-Bromofluorobenzene	11.079	95	113017	55.062	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.120%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	30669	23.925	ug/l	100
3) Chloromethane	1.300	50	29319	17.373	ug/l	98
4) Vinyl Chloride	1.374	62	31337	20.574	ug/l	98
5) Bromomethane	1.605	94	30840	15.399	ug/l	99
6) Chloroethane	1.685	64	23712	20.738	ug/l	99
7) Trichlorofluoromethane	1.886	101	59128	19.681	ug/l	99
8) Diethyl Ether	2.136	74	22430	20.415	ug/l	82
9) 1,1,2-Trichlorotrifluo...	2.331	101	26828	20.510	ug/l	98
10) Methyl Iodide	2.453	142	32512	24.099	ug/l	95
11) Tert butyl alcohol	2.953	59	49410	109.891	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	23540	19.326	ug/l	94
13) Acrolein	2.233	56	28743	111.748	ug/l	100
14) Allyl chloride	2.666	41	43185	20.005	ug/l	94
15) Acrylonitrile	3.062	53	101954	109.097	ug/l	99
16) Acetone	2.380	43	95084	108.165	ug/l	90
17) Carbon Disulfide	2.514	76	65078	18.890	ug/l	99
18) Methyl Acetate	2.703	43	80044	21.180	ug/l	94
19) Methyl tert-butyl Ether	3.111	73	97448	20.716	ug/l	100
20) Methylene Chloride	2.788	84	31394	19.380	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	28703	19.613	ug/l	94
22) Diisopropyl ether	3.763	45	92341	20.470	ug/l	91
23) Vinyl Acetate	3.721	43	354369	109.195	ug/l	98
24) 1,1-Dichloroethane	3.611	63	54027	19.732	ug/l	97
25) 2-Butanone	4.556	43	152367	109.937	ug/l	94
26) 2,2-Dichloropropane	4.477	77	43315	20.142	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	33685	19.741	ug/l	97
28) Bromochloromethane	4.897	49	28149	21.851	ug/l	94
29) Tetrahydrofuran	5.007	42	97249	108.798	ug/l	92
30) Chloroform	5.099	83	59160	19.835	ug/l	96
31) Cyclohexane	5.464	56	46626	19.920	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	49929	20.125	ug/l	98
36) 1,1-Dichloropropene	5.690	75	43065	19.830	ug/l	99
37) Ethyl Acetate	4.714	43	54768	22.454	ug/l	98
38) Carbon Tetrachloride	5.678	117	42402	20.064	ug/l	99
39) Methylcyclohexane	7.379	83	53704	20.923	ug/l	92
40) Benzene	6.043	78	123977	20.236	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	26821	21.962	ug/l #	88
42) 1,2-Dichloroethane	6.086	62	50683	21.095	ug/l	99
43) Isopropyl Acetate	6.336	43	83969	22.221	ug/l	99
44) Trichloroethene	7.123	130	32536	19.679	ug/l	99
45) 1,2-Dichloropropane	7.427	63	32465	20.816	ug/l	99
46) Dibromomethane	7.580	93	25140	20.814	ug/l	98
47) Bromodichloromethane	7.824	83	44345	21.089	ug/l	99
48) Methyl methacrylate	7.696	41	40656	22.377	ug/l	89
49) 1,4-Dioxane	7.653	88	20391	500.674	ug/l #	89
51) 4-Methyl-2-Pentanone	8.574	43	294571	112.199	ug/l	99
52) Toluene	8.720	92	81039	20.437	ug/l	93
53) t-1,3-Dichloropropene	8.976	75	47550	21.468	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	50956	21.620	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	34646	21.516	ug/l	91
56) Ethyl methacrylate	9.116	69	53090	21.937	ug/l	94
57) 1,3-Dichloropropane	9.311	76	57305	21.164	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	145279	117.455	ug/l	97
59) 2-Hexanone	9.427	43	243144	115.769	ug/l	98
60) Dibromochloromethane	9.518	129	33289	21.483	ug/l	99
61) 1,2-Dibromoethane	9.610	107	37783	21.643	ug/l	99
64) Tetrachloroethene	9.275	164	27504	19.854	ug/l	99
65) Chlorobenzene	10.079	112	89225	20.414	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	30967	21.247	ug/l	99
67) Ethyl Benzene	10.195	91	162097	20.617	ug/l	99
68) m/p-Xylenes	10.299	106	121978	40.511	ug/l	99
69) o-Xylene	10.640	106	59444	20.789	ug/l	99
70) Styrene	10.659	104	98074	20.766	ug/l	98
71) Bromoform	10.799	173	23761	21.446	ug/l #	100
73) Isopropylbenzene	10.963	105	158553	21.033	ug/l	98
74) N-amyl acetate	10.841	43	73414	21.639	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	60563	21.464	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	48834m	18.979	ug/l	
77) Bromobenzene	11.201	156	38061	20.594	ug/l	93
78) n-propylbenzene	11.305	91	195038	21.056	ug/l	99
79) 2-Chlorotoluene	11.366	91	112613	20.937	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	136159	21.222	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	15999	20.999	ug/l	99
82) 4-Chlorotoluene	11.457	91	131913	20.349	ug/l	99
83) tert-Butylbenzene	11.713	119	133661	20.956	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	137364	21.228	ug/l	99
85) sec-Butylbenzene	11.890	105	176331	21.317	ug/l	99
86) p-Isopropyltoluene	12.012	119	141789	20.931	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	74015	19.972	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	75336	19.476	ug/l	100
89) n-Butylbenzene	12.335	91	140586	20.794	ug/l	96
90) Hexachloroethane	12.536	117	22599	20.469	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	71874	20.380	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	14178	22.080	ug/l	88
93) 1,2,4-Trichlorobenzene	13.585	180	47591	19.453	ug/l	98
94) Hexachlorobutadiene	13.725	225	20258	19.406	ug/l	97
95) Naphthalene	13.774	128	170385	20.661	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	47978	20.279	ug/l	98

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

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