

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100423\
 Data File : VX038057.D
 Acq On : 04 Oct 2023 12:01
 Operator : JC/MD
 Sample : VX1004WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004WBS01

Manual Integrations
 APPROVED

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

Quant Time: Oct 05 00:59:15 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	126761	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	216554	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	208065	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	113928	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	105458	53.468	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.940%			
35) Dibromofluoromethane	5.385	113	80180	53.970	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.940%			
50) Toluene-d8	8.647	98	306022	53.824	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 107.640%			
62) 4-Bromofluorobenzene	11.079	95	112952	54.587	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.180%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	31968	25.309	ug/l	100
3) Chloromethane	1.301	50	30436	18.303	ug/l	99
4) Vinyl Chloride	1.374	62	32791	21.849	ug/l	96
5) Bromomethane	1.605	94	31643	16.035	ug/l	97
6) Chloroethane	1.685	64	23609	20.955	ug/l	98
7) Trichlorofluoromethane	1.886	101	60571	20.461	ug/l	98
8) Diethyl Ether	2.136	74	21786	20.124	ug/l	82
9) 1,1,2-Trichlorotrifluo...	2.331	101	25953	20.136	ug/l	97
10) Methyl Iodide	2.453	142	32045	24.105	ug/l	95
11) Tert butyl alcohol	2.959	59	47934	108.192	ug/l #	93
12) 1,1-Dichloroethene	2.319	96	24754	20.625	ug/l	90
13) Acrolein	2.233	56	27908	110.115	ug/l	99
14) Allyl chloride	2.666	41	43895	20.636	ug/l	94
15) Acrylonitrile	3.062	53	99352	107.893	ug/l	100
16) Acetone	2.380	43	95082	109.771	ug/l	95
17) Carbon Disulfide	2.514	76	66025	19.449	ug/l	100
18) Methyl Acetate	2.703	43	79305	21.296	ug/l	94
19) Methyl tert-butyl Ether	3.117	73	95287	20.558	ug/l	99
20) Methylene Chloride	2.788	84	31321	19.631	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	29218	20.261	ug/l	90
22) Diisopropyl ether	3.764	45	92260	20.756	ug/l	93
23) Vinyl Acetate	3.721	43	344645	107.777	ug/l	98
24) 1,1-Dichloroethane	3.611	63	54602	20.239	ug/l	99
25) 2-Butanone	4.556	43	149064	109.153	ug/l	92
26) 2,2-Dichloropropane	4.477	77	45466	21.457	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	35225	20.950	ug/l	94
28) Bromochloromethane	4.898	49	27505	21.668	ug/l	92
29) Tetrahydrofuran	5.007	42	95029	107.895	ug/l	92
30) Chloroform	5.093	83	59896	20.381	ug/l	98
31) Cyclohexane	5.477	56	47013	20.384	ug/l	93
32) 1,1,1-Trichloroethane	5.379	97	51248	20.964	ug/l	99
36) 1,1-Dichloropropene	5.696	75	44203	20.189	ug/l	99
37) Ethyl Acetate	4.715	43	54578	22.196	ug/l	98
38) Carbon Tetrachloride	5.678	117	43623	20.475	ug/l	96
39) Methylcyclohexane	7.379	83	53102	20.521	ug/l	95
40) Benzene	6.044	78	126992	20.561	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	25796	20.952	ug/l #	87
42) 1,2-Dichloroethane	6.086	62	51407	21.224	ug/l	99
43) Isopropyl Acetate	6.342	43	81806	21.474	ug/l	99
44) Trichloroethene	7.129	130	33049	19.828	ug/l	95
45) 1,2-Dichloropropane	7.428	63	32674	20.781	ug/l	98
46) Dibromomethane	7.580	93	24789	20.358	ug/l	96
47) Bromodichloromethane	7.824	83	43738	20.632	ug/l	93
48) Methyl methacrylate	7.696	41	38456	20.995	ug/l	87
49) 1,4-Dioxane	7.659	88	19868	483.899	ug/l #	91
51) 4-Methyl-2-Pentanone	8.574	43	285984	108.050	ug/l	98
52) Toluene	8.720	92	82255	20.576	ug/l	94
53) t-1,3-Dichloropropene	8.982	75	47477	21.262	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	50812	21.385	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	33878	20.870	ug/l	92
56) Ethyl methacrylate	9.116	69	51284	21.020	ug/l	95
57) 1,3-Dichloropropane	9.311	76	56974	20.872	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.244	63	136982	109.854	ug/l	98
59) 2-Hexanone	9.427	43	234966	110.973	ug/l	97
60) Dibromochloromethane	9.525	129	32874	21.044	ug/l	99
61) 1,2-Dibromoethane	9.610	107	36430	20.699	ug/l	98
64) Tetrachloroethene	9.275	164	27294	19.716	ug/l	97
65) Chlorobenzene	10.079	112	89333	20.453	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	30122	20.682	ug/l	97
67) Ethyl Benzene	10.195	91	161784	20.591	ug/l	100
68) m/p-Xylenes	10.299	106	123946	41.193	ug/l	99
69) o-Xylene	10.640	106	59047	20.664	ug/l	98
70) Styrene	10.653	104	98639	20.900	ug/l	97
71) Bromoform	10.799	173	23510	21.234	ug/l #	99
73) Isopropylbenzene	10.963	105	159284	20.601	ug/l	98
74) N-amyl acetate	10.842	43	71703	20.606	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	61135	21.125	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	49073m	18.594	ug/l	
77) Bromobenzene	11.195	156	38139	20.120	ug/l	94
78) n-propylbenzene	11.305	91	195017	20.527	ug/l	99
79) 2-Chlorotoluene	11.366	91	111209	20.159	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	134115	20.381	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	15955	20.417	ug/l	99
82) 4-Chlorotoluene	11.457	91	133329	20.052	ug/l	99
83) tert-Butylbenzene	11.713	119	131742	20.138	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	137653	20.740	ug/l	100
85) sec-Butylbenzene	11.890	105	175909	20.734	ug/l	99
86) p-Isopropyltoluene	12.012	119	144533	20.802	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	75318	19.815	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	76343	19.243	ug/l	99
89) n-Butylbenzene	12.335	91	141257	20.371	ug/l	95
90) Hexachloroethane	12.536	117	22205	19.609	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	73345	20.276	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	14438	21.923	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	49731	19.820	ug/l	95
94) Hexachlorobutadiene	13.725	225	20688	19.322	ug/l	99
95) Naphthalene	13.774	128	171628	20.291	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	47832	19.712	ug/l	98

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

