

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112023\
 Data File : VX038949.D
 Acq On : 20 Nov 2023 11:34
 Operator : JC/MD
 Sample : VX1120WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1120WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/21/2023
 Supervised By : Mahesh Dadoda 11/21/2023

Quant Time: Nov 21 00:16:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 16 22:59:22 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	128398	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	232944	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	219134	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	110554	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	107910	52.157	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.320%			
35) Dibromofluoromethane	5.379	113	87208	51.836	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.680%			
50) Toluene-d8	8.647	98	323922	50.323	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.640%			
62) 4-Bromofluorobenzene	11.079	95	127317	49.411	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.820%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	30165	20.135	ug/l	98
3) Chloromethane	1.295	50	32602	16.673	ug/l	97
4) Vinyl Chloride	1.374	62	34204	18.159	ug/l	98
5) Bromomethane	1.605	94	23597	30.300	ug/l	96
6) Chloroethane	1.685	64	21247	19.766	ug/l	99
7) Trichlorofluoromethane	1.886	101	48129	20.136	ug/l	98
8) Diethyl Ether	2.130	74	19627	18.853	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	29334	18.506	ug/l	97
10) Methyl Iodide	2.453	142	33249	17.234	ug/l	91
11) Tert butyl alcohol	2.947	59	56158	97.592	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	28325	17.700	ug/l	93
13) Acrolein	2.233	56	33580	110.300	ug/l	100
14) Allyl chloride	2.660	41	56665	17.685	ug/l	95
15) Acrylonitrile	3.056	53	111685	91.854	ug/l	99
16) Acetone	2.374	43	113053	102.647	ug/l	90
17) Carbon Disulfide	2.514	76	77907	15.716	ug/l	96
18) Methyl Acetate	2.697	43	98442	18.817	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	106670	18.951	ug/l	100
20) Methylene Chloride	2.788	84	36508	18.388	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	30515	17.281	ug/l	99
22) Diisopropyl ether	3.751	45	107875	18.353	ug/l	98
23) Vinyl Acetate	3.715	43	393761	93.015	ug/l	98
24) 1,1-Dichloroethane	3.605	63	59718	18.168	ug/l	99
25) 2-Butanone	4.544	43	168535	94.363	ug/l	96
26) 2,2-Dichloropropane	4.471	77	53333	18.705	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	36589	17.777	ug/l	98
28) Bromochloromethane	4.898	49	29759	18.857	ug/l	99
29) Tetrahydrofuran	4.989	42	105472	93.007	ug/l	97
30) Chloroform	5.087	83	60939	18.986	ug/l	96
31) Cyclohexane	5.458	56	53286	18.039	ug/l	94
32) 1,1,1-Trichloroethane	5.379	97	54134	19.472	ug/l	97
36) 1,1-Dichloropropene	5.690	75	44421	18.422	ug/l	96
37) Ethyl Acetate	4.702	43	58999	18.781	ug/l	97
38) Carbon Tetrachloride	5.672	117	43562	19.547	ug/l	95
39) Methylcyclohexane	7.379	83	56277	17.893	ug/l	97
40) Benzene	6.032	78	131907	18.496	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	30581	18.769	ug/l	91
42) 1,2-Dichloroethane	6.080	62	47374	20.050	ug/l	98
43) Isopropyl Acetate	6.330	43	93776	18.679	ug/l	98
44) Trichloroethene	7.123	130	33980	19.575	ug/l	96
45) 1,2-Dichloropropane	7.428	63	35995	18.755	ug/l	97
46) Dibromomethane	7.580	93	24918	19.469	ug/l	96
47) Bromodichloromethane	7.818	83	48430	19.065	ug/l	94
48) Methyl methacrylate	7.690	41	44027	18.074	ug/l	93
49) 1,4-Dioxane	7.653	88	17586	373.171	ug/l #	94
51) 4-Methyl-2-Pentanone	8.568	43	312478	97.394	ug/l	99
52) Toluene	8.714	92	83334	18.830	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	55466	18.374	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	59168	18.975	ug/l	90
55) 1,1,2-Trichloroethane	9.147	97	34927	18.914	ug/l	95
56) Ethyl methacrylate	9.116	69	58483	18.718	ug/l	97
57) 1,3-Dichloropropane	9.305	76	57646	18.876	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	138284	95.010	ug/l	95
59) 2-Hexanone	9.427	43	252428	98.159	ug/l	98
60) Dibromochloromethane	9.519	129	35944	19.143	ug/l	99
61) 1,2-Dibromoethane	9.610	107	36840	19.012	ug/l	98
64) Tetrachloroethene	9.269	164	26446	19.416	ug/l	90
65) Chlorobenzene	10.080	112	88487	18.746	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	32149	18.933	ug/l	98
67) Ethyl Benzene	10.189	91	162696	18.760	ug/l	99
68) m/p-Xylenes	10.299	106	121740	37.109	ug/l	98
69) o-Xylene	10.640	106	59765	18.411	ug/l	98
70) Styrene	10.653	104	99685	18.183	ug/l	98
71) Bromoform	10.799	173	26575	18.774	ug/l #	100
73) Isopropylbenzene	10.964	105	157393	18.272	ug/l	99
74) N-amyl acetate	10.842	43	79517	17.463	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	58847	17.501	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	50710m	18.384	ug/l	
77) Bromobenzene	11.195	156	35820	18.507	ug/l	99
78) n-propylbenzene	11.305	91	190979	18.012	ug/l	100
79) 2-Chlorotoluene	11.360	91	112673	17.907	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	134346	18.549	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	19709	15.849	ug/l	88
82) 4-Chlorotoluene	11.451	91	133828	18.446	ug/l	100
83) tert-Butylbenzene	11.713	119	131866	18.487	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	133579	18.222	ug/l	98
85) sec-Butylbenzene	11.890	105	173150	18.558	ug/l	98
86) p-Isopropyltoluene	12.006	119	136414	18.213	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	69410	18.313	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	70114	18.075	ug/l	98
89) n-Butylbenzene	12.329	91	133626	17.683	ug/l	97
90) Hexachloroethane	12.536	117	26830	17.938	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	67556	18.793	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	15150	18.390	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	42961	17.834	ug/l	98
94) Hexachlorobutadiene	13.725	225	15343	17.986	ug/l	97
95) Naphthalene	13.774	128	159326	17.758	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	43044	18.849	ug/l	99

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

