

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032423\
 Data File : VX034715.D
 Acq On : 24 Mar 2023 12:52
 Operator : JC/MD
 Sample : VX0324WBSD02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0324WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/27/2023
 Supervised By : Semsettin Yesilyurt 03/27/2023

Quant Time: Mar 27 01:28:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	320163	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	535465	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	473831	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	232513	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	217360	46.667	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.340%		
35) Dibromofluoromethane	5.379	113	160919	45.517	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.040%		
50) Toluene-d8	8.647	98	558916	42.349	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	84.700%#		
62) 4-Bromofluorobenzene	11.079	95	229607	43.071	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	86.140%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	60631	20.314	ug/l	99
3) Chloromethane	1.295	50	69922	14.534	ug/l	99
4) Vinyl Chloride	1.374	62	67204	16.536	ug/l	100
5) Bromomethane	1.618	94	44891	21.892	ug/l	98
6) Chloroethane	1.691	64	41159	17.589	ug/l	100
7) Trichlorofluoromethane	1.892	101	97674	15.995	ug/l	96
8) Diethyl Ether	2.130	74	38308	17.184	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	56579	15.898	ug/l	99
10) Methyl Iodide	2.453	142	69662	14.909	ug/l	91
11) Tert butyl alcohol	3.002	59	76014m	78.370	ug/l	
12) 1,1-Dichloroethene	2.319	96	53581	15.287	ug/l	94
13) Acrolein	2.240	56	47344	61.701	ug/l	98
14) Allyl chloride	2.666	41	107807	15.172	ug/l	97
15) Acrylonitrile	3.063	53	163334	77.955	ug/l	98
16) Acetone	2.392	43	155175	70.726	ug/l	98
17) Carbon Disulfide	2.514	76	130624	13.243	ug/l	100
18) Methyl Acetate	2.703	43	121075	16.889	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	210298	16.758	ug/l	98
20) Methylene Chloride	2.788	84	63759	14.973	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	59975	16.113	ug/l	99
22) Diisopropyl ether	3.751	45	217614	16.063	ug/l	92
23) Vinyl Acetate	3.715	43	800333	77.621	ug/l	97
24) 1,1-Dichloroethane	3.605	63	116464	15.992	ug/l	99
25) 2-Butanone	4.556	43	237104	75.527	ug/l	100
26) 2,2-Dichloropropane	4.471	77	96953	15.315	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	70151	15.656	ug/l	97
28) Bromochloromethane	4.891	49	58526	17.284	ug/l	99
29) Tetrahydrofuran	5.007	42	152904	78.932	ug/l	99
30) Chloroform	5.087	83	121560	17.028	ug/l	99
31) Cyclohexane	5.471	56	99869	15.289	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	106066	16.783	ug/l	99
36) 1,1-Dichloropropene	5.690	75	86108	15.857	ug/l	99
37) Ethyl Acetate	4.709	43	93165	15.705	ug/l	98
38) Carbon Tetrachloride	5.672	117	89511	16.570	ug/l	94
39) Methylcyclohexane	7.379	83	95938	14.763	ug/l	97
40) Benzene	6.038	78	249818	15.726	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	52391	16.115	ug/l	99
42) 1,2-Dichloroethane	6.086	62	104500	17.900	ug/l	98
43) Isopropyl Acetate	6.330	43	153411	15.265	ug/l	99
44) Trichloroethene	7.123	130	65318	15.826	ug/l	98
45) 1,2-Dichloropropane	7.428	63	65015	15.675	ug/l	97
46) Dibromomethane	7.580	93	46542	16.505	ug/l	98
47) Bromodichloromethane	7.818	83	88206	16.162	ug/l	100
48) Methyl methacrylate	7.690	41	75893	15.702	ug/l	99
49) 1,4-Dioxane	7.702	88	33054	325.595	ug/l	97
51) 4-Methyl-2-Pentanone	8.568	43	466944	80.095	ug/l	99
52) Toluene	8.714	92	157490	16.014	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	93308	15.176	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	102376	15.391	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	63724	16.327	ug/l	99
56) Ethyl methacrylate	9.116	69	101735	15.875	ug/l	99
57) 1,3-Dichloropropane	9.305	76	111859	16.126	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	248901	75.366	ug/l	99
59) 2-Hexanone	9.427	43	346987	76.995	ug/l	100
60) Dibromochloromethane	9.519	129	62322	15.225	ug/l	100
61) 1,2-Dibromoethane	9.610	107	67213	15.958	ug/l	100
64) Tetrachloroethene	9.269	164	54243	17.042	ug/l	95
65) Chlorobenzene	10.080	112	167699	16.131	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	59462	15.704	ug/l	98
67) Ethyl Benzene	10.195	91	303402	16.302	ug/l	99
68) m/p-Xylenes	10.299	106	228430	31.950	ug/l	97
69) o-Xylene	10.640	106	113070	15.759	ug/l	95
70) Styrene	10.653	104	186331	16.097	ug/l	99
71) Bromoform	10.799	173	40289	13.823	ug/l #	100
73) Isopropylbenzene	10.964	105	294895	16.410	ug/l	99
74) N-amyl acetate	10.842	43	131765	15.309	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.214	83	93245	15.549	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	82076m	15.374	ug/l	
77) Bromobenzene	11.195	156	70287	16.302	ug/l	99
78) n-propylbenzene	11.305	91	339187	16.343	ug/l	99
79) 2-Chlorotoluene	11.366	91	212223	16.557	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	248602	16.493	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	24271	12.299	ug/l	88
82) 4-Chlorotoluene	11.451	91	244173	16.539	ug/l	99
83) tert-Butylbenzene	11.713	119	238941	15.723	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	250481	16.260	ug/l	98
85) sec-Butylbenzene	11.890	105	293374	15.790	ug/l	99
86) p-Isopropyltoluene	12.006	119	247011	15.819	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	130766	15.479	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	133004	15.571	ug/l	99
89) n-Butylbenzene	12.329	91	212897	15.337	ug/l	99
90) Hexachloroethane	12.536	117	37568	13.002	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	129385	15.848	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20351	14.937	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	78465	15.369	ug/l	98
94) Hexachlorobutadiene	13.725	225	34663	16.853	ug/l	99
95) Naphthalene	13.774	128	269940	15.768	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	80232	16.077	ug/l	98

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

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