

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021123\
 Data File : VX034095.D
 Acq On : 09 Feb 2023 10:52
 Operator : JC/MD
 Sample : VX0211WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0211WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/10/2023
 Supervised By : Semsettin Yesilyurt 02/10/2023

Quant Time: Feb 10 01:04:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020423W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 03 23:25:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	133816	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	177142	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	159457	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	85791	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64541	50.030	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.060%			
35) Dibromofluoromethane	5.385	113	58535	51.921	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.840%			
50) Toluene-d8	8.647	98	206493	50.836	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.680%			
62) 4-Bromofluorobenzene	11.079	95	75948	52.352	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.700%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	20996	19.301	ug/l	97
3) Chloromethane	1.294	50	17363	16.914	ug/l	95
4) Vinyl Chloride	1.374	62	18309	17.031	ug/l	99
5) Bromomethane	1.611	94	11357	20.515	ug/l	96
6) Chloroethane	1.691	64	10270	17.275	ug/l	97
7) Trichlorofluoromethane	1.892	101	32110	18.772	ug/l	95
8) Diethyl Ether	2.130	74	10137	17.230	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.331	101	20663	18.093	ug/l	92
10) Methyl Iodide	2.453	142	27244	16.839	ug/l	96
11) Tert butyl alcohol	2.953	59	17563	97.173	ug/l #	84
12) 1,1-Dichloroethene	2.319	96	19139	17.468	ug/l	89
13) Acrolein	2.233	56	21030	86.751	ug/l	99
14) Allyl chloride	2.666	41	30957	17.329	ug/l	93
15) Acrylonitrile	3.062	53	51584	88.973	ug/l	98
16) Acetone	2.373	43	55696	102.219	ug/l	93
17) Carbon Disulfide	2.514	76	45496	16.366	ug/l	99
18) Methyl Acetate	2.703	43	31191	18.403	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	63097	18.675	ug/l	98
20) Methylene Chloride	2.788	84	21922	17.586	ug/l	86
21) trans-1,2-Dichloroethene	3.093	96	21083	17.667	ug/l	95
22) Diisopropyl ether	3.757	45	62676	17.779	ug/l	96
23) Vinyl Acetate	3.721	43	240892	89.735	ug/l	96
24) 1,1-Dichloroethane	3.611	63	36943	18.181	ug/l	99
25) 2-Butanone	4.550	43	72780	91.733	ug/l	95
26) 2,2-Dichloropropane	4.477	77	28431	19.181	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	24598	17.920	ug/l	97
28) Bromochloromethane	4.904	49	17219	19.274	ug/l	85
29) Tetrahydrofuran	5.001	42	45059	89.295	ug/l	94
30) Chloroform	5.093	83	40192	18.979	ug/l	98
31) Cyclohexane	5.470	56	33808	17.996	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	35375	19.396	ug/l	98
36) 1,1-Dichloropropene	5.696	75	29953	19.378	ug/l	99
37) Ethyl Acetate	4.708	43	27183	18.878	ug/l	99
38) Carbon Tetrachloride	5.672	117	32800	19.896	ug/l	98
39) Methylcyclohexane	7.379	83	36106	18.557	ug/l	95
40) Benzene	6.037	78	84320	18.854	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	15124	18.664	ug/l	96
42) 1,2-Dichloroethane	6.092	62	31185	20.520	ug/l	99
43) Isopropyl Acetate	6.336	43	42675	19.004	ug/l	96
44) Trichloroethene	7.123	130	26236	19.087	ug/l	95
45) 1,2-Dichloropropane	7.434	63	20660	18.710	ug/l	97
46) Dibromomethane	7.580	93	15479	19.566	ug/l	94
47) Bromodichloromethane	7.818	83	29776	19.863	ug/l	98
48) Methyl methacrylate	7.690	41	21797	18.800	ug/l	94
49) 1,4-Dioxane	7.671	88	9805	439.335	ug/l #	92
51) 4-Methyl-2-Pentanone	8.574	43	136607	96.983	ug/l	98
52) Toluene	8.720	92	55764	19.239	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	29880	19.828	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	33117	19.316	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	22721	19.626	ug/l	98
56) Ethyl methacrylate	9.116	69	31859	19.703	ug/l	95
57) 1,3-Dichloropropane	9.305	76	36797	19.457	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	68137	90.569	ug/l	96
59) 2-Hexanone	9.427	43	104452	101.330	ug/l	98
60) Dibromochloromethane	9.519	129	26123	20.359	ug/l	94
61) 1,2-Dibromoethane	9.610	107	24528	19.703	ug/l	98
64) Tetrachloroethene	9.275	164	25192	18.921	ug/l	97
65) Chlorobenzene	10.079	112	64282	19.519	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.159	131	24685	19.836	ug/l	98
67) Ethyl Benzene	10.195	91	106557	19.117	ug/l	100
68) m/p-Xylenes	10.299	106	86309	38.737	ug/l	99
69) o-Xylene	10.640	106	41531	19.408	ug/l	96
70) Styrene	10.652	104	70007	19.864	ug/l	99
71) Bromoform	10.799	173	20101	19.802	ug/l #	98
73) Isopropylbenzene	10.963	105	110804	19.325	ug/l	100
74) N-amyl acetate	10.841	43	35163	18.616	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	32250	18.694	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	29336m	19.914	ug/l	
77) Bromobenzene	11.195	156	30940	19.460	ug/l	97
78) n-propylbenzene	11.305	91	121823	19.216	ug/l	99
79) 2-Chlorotoluene	11.366	91	72986	19.014	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	94290	19.757	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	8855	18.512	ug/l	99
82) 4-Chlorotoluene	11.451	91	83275	19.181	ug/l	98
83) tert-Butylbenzene	11.713	119	94678	19.202	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	92383	19.376	ug/l	99
85) sec-Butylbenzene	11.890	105	113144	19.179	ug/l	99
86) p-Isopropyltoluene	12.006	119	102012	19.716	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	55498	19.024	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	55694	18.804	ug/l	98
89) n-Butylbenzene	12.335	91	77422	19.086	ug/l	99
90) Hexachloroethane	12.536	117	15880	19.496	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	54395	19.118	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	6465	19.058	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	38649	19.225	ug/l	99
94) Hexachlorobutadiene	13.725	225	18819	18.912	ug/l	99
95) Naphthalene	13.774	128	108777	19.694	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	38379	19.006	ug/l	99

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

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