

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121323\
 Data File : VX039187.D
 Acq On : 13 Dec 2023 14:13
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX121323

Quant Time: Dec 14 01:31:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 01:28:15 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 12/14/2023
 Supervised By : Mahesh Dadoda 12/14/2023

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	139896	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	254437	50.000	ug/l	-0.01
63) Chlorobenzene-d5	10.049	117	233476	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	116815	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	119079	46.465	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.920%		
35) Dibromofluoromethane	5.379	113	83123	47.289	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.580%		
50) Toluene-d8	8.647	98	309387	47.410	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.820%		
62) 4-Bromofluorobenzene	11.079	95	127118	47.212	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.420%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	110892	56.411	ug/l	98
3) Chloromethane	1.295	50	116522	53.467	ug/l	96
4) Vinyl Chloride	1.374	62	109000	53.779	ug/l	99
5) Bromomethane	1.599	94	65963	56.568	ug/l	96
6) Chloroethane	1.685	64	60143	49.241	ug/l	98
7) Trichlorofluoromethane	1.886	101	154847	52.174	ug/l	99
8) Diethyl Ether	2.130	74	52890	51.490	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	96881	53.493	ug/l	97
10) Methyl Iodide	2.453	142	105225	56.210	ug/l	95
11) Tert butyl alcohol	2.953	59	156735	243.543	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	94093	52.303	ug/l	95
13) Acrolein	2.233	56	138546	269.855	ug/l	100
14) Allyl chloride	2.660	41	186286	51.116	ug/l	98
15) Acrylonitrile	3.056	53	333492	258.889	ug/l	99
16) Acetone	2.374	43	370053	248.971	ug/l	94
17) Carbon Disulfide	2.508	76	277848	52.777	ug/l	98
18) Methyl Acetate	2.697	43	276045	49.799	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	328880	50.548	ug/l	99
20) Methylene Chloride	2.788	84	106794	49.988	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	99313	50.733	ug/l	95
22) Diisopropyl ether	3.751	45	341127	51.422	ug/l	94
23) Vinyl Acetate	3.715	43	1321851	267.648	ug/l	100
24) 1,1-Dichloroethane	3.605	63	191617	51.097	ug/l	99
25) 2-Butanone	4.544	43	504807	228.265	ug/l	100
26) 2,2-Dichloropropane	4.465	77	169080	51.645	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	112958	52.279	ug/l	98
28) Bromochloromethane	4.885	49	86409	47.224	ug/l	94
29) Tetrahydrofuran	4.989	42	312572	255.936	ug/l	99
30) Chloroform	5.087	83	189809	50.649	ug/l	100
31) Cyclohexane	5.464	56	172760	52.191	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	165337	50.822	ug/l	98
36) 1,1-Dichloropropene	5.684	75	144806	52.204	ug/l	99
37) Ethyl Acetate	4.702	43	181612	52.996	ug/l	99
38) Carbon Tetrachloride	5.666	117	141789	53.564	ug/l	96
39) Methylcyclohexane	7.373	83	176554	52.989	ug/l	97
40) Benzene	6.031	78	402323	51.275	ug/l	99

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41) Methacrylonitrile	4.910	41	96880	52.985	ug/l	97
42) 1,2-Dichloroethane	6.080	62	162045	51.019	ug/l	99
43) Isopropyl Acetate	6.330	43	291285	52.270	ug/l	99
44) Trichloroethene	7.117	130	100098	50.554	ug/l	91
45) 1,2-Dichloropropane	7.421	63	109229	51.870	ug/l	98
46) Dibromomethane	7.574	93	74896	50.595	ug/l	96
47) Bromodichloromethane	7.818	83	150385	53.132	ug/l	97
48) Methyl methacrylate	7.684	41	171433	52.621	ug/l	96
49) 1,4-Dioxane	7.653	88	48557	1105.712	ug/l #	99
51) 4-Methyl-2-Pentanone	8.568	43	916023	257.991	ug/l	99
52) Toluene	8.714	92	246548	52.060	ug/l	96
53) t-1,3-Dichloropropene	8.970	75	168406	54.044	ug/l	97
54) cis-1,3-Dichloropropene	8.360	75	178539	53.249	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	100277	50.719	ug/l	95
56) Ethyl methacrylate	9.110	69	130896	54.233	ug/l	97
57) 1,3-Dichloropropane	9.305	76	173563	50.779	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	303603	214.221	ug/l	95
59) 2-Hexanone	9.427	43	744390	242.922	ug/l	99
60) Dibromochloromethane	9.519	129	106684	53.354	ug/l	100
61) 1,2-Dibromoethane	9.604	107	107130	50.757	ug/l	100
64) Tetrachloroethene	9.269	164	76582	50.195	ug/l	94
65) Chlorobenzene	10.073	112	254738	49.987	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	93733	52.072	ug/l	99
67) Ethyl Benzene	10.189	91	490400	51.697	ug/l	98
68) m/p-Xylenes	10.299	106	350508	103.055	ug/l	93
69) o-Xylene	10.640	106	168748	51.315	ug/l	92
70) Styrene	10.653	104	251277	52.268	ug/l	95
71) Bromoform	10.799	173	72730	54.357	ug/l #	100
73) Isopropylbenzene	10.957	105	464866	51.579	ug/l	99
74) N-amyl acetate	10.842	43	245485	53.834	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.207	83	168824	50.353	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	152657m	50.512	ug/l	
77) Bromobenzene	11.195	156	101183	50.769	ug/l	90
78) n-propylbenzene	11.305	91	575439	51.820	ug/l	97
79) 2-Chlorotoluene	11.360	91	336607	50.114	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	400672	52.185	ug/l	94
81) trans-1,4-Dichloro-2-b...	11.018	75	55797	52.082	ug/l	94
82) 4-Chlorotoluene	11.451	91	399310	50.615	ug/l	97
83) tert-Butylbenzene	11.713	119	377190	51.620	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	405460	51.496	ug/l	99
85) sec-Butylbenzene	11.890	105	482139	51.853	ug/l	97
86) p-Isopropyltoluene	12.006	119	408215	52.313	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	198461	50.686	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	198429	48.672	ug/l	98
89) n-Butylbenzene	12.329	91	415145	54.119	ug/l	96
90) Hexachloroethane	12.536	117	76360	54.172	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	186319	49.733	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	47172	53.416	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	125107	50.998	ug/l	98
94) Hexachlorobutadiene	13.725	225	48065	51.991	ug/l	98
95) Naphthalene	13.774	128	446227	52.231	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	118829	50.177	ug/l	98

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

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