

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041624\
 Data File : VX041098.D
 Acq On : 16 Apr 2024 12:29
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX041624

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/17/2024
 Supervised By : Mahesh Dadoda 04/17/2024

Quant Time: Apr 17 02:07:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041624W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 02:04:44 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	228849	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	309447	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	285951	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	163971	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	116756	47.255	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.520%		
35) Dibromofluoromethane	5.379	113	100218	48.481	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.960%		
50) Toluene-d8	8.647	98	359243	49.615	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.220%		
62) 4-Bromofluorobenzene	11.079	95	134233	48.836	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.680%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	87942	48.448	ug/l	98
3) Chloromethane	1.295	50	89693	44.461	ug/l	99
4) Vinyl Chloride	1.374	62	108771	47.043	ug/l	99
5) Bromomethane	1.599	94	67525	46.583	ug/l	99
6) Chloroethane	1.685	64	70077	45.917	ug/l	96
7) Trichlorofluoromethane	1.886	101	182124	50.182	ug/l	98
8) Diethyl Ether	2.130	74	67800	47.605	ug/l	86
9) 1,1,2-Trichlorotrifluo...	2.325	101	106515	50.487	ug/l	87
10) Methyl Iodide	2.453	142	122653	55.341	ug/l	90
11) Tert butyl alcohol	2.953	59	108590	224.656	ug/l	# 92
12) 1,1-Dichloroethene	2.319	96	98463	48.749	ug/l	85
13) Acrolein	2.233	56	136786	225.017	ug/l	100
14) Allyl chloride	2.660	41	162389	49.712	ug/l	# 95
15) Acrylonitrile	3.056	53	284890	238.047	ug/l	99
16) Acetone	2.374	43	271079	261.025	ug/l	94
17) Carbon Disulfide	2.508	76	218472	47.518	ug/l	99
18) Methyl Acetate	2.703	43	125679	48.474	ug/l	94
19) Methyl tert-butyl Ether	3.111	73	318071	50.949	ug/l	99
20) Methylene Chloride	2.788	84	102670	46.331	ug/l	90
21) trans-1,2-Dichloroethene	3.087	96	102580	49.511	ug/l	87
22) Diisopropyl ether	3.758	45	318071	50.844	ug/l	87
23) Vinyl Acetate	3.715	43	1481804	261.365	ug/l	96
24) 1,1-Dichloroethane	3.605	63	180067	49.162	ug/l	97
25) 2-Butanone	4.544	43	406462	249.102	ug/l	97
26) 2,2-Dichloropropane	4.471	77	153372	52.754	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	124362	49.685	ug/l	89
28) Bromochloromethane	4.891	49	75352	53.151	ug/l	# 76
29) Tetrahydrofuran	4.995	42	261232	241.830	ug/l	95
30) Chloroform	5.087	83	194268	48.810	ug/l	94
31) Cyclohexane	5.465	56	151988	49.658	ug/l	87
32) 1,1,1-Trichloroethane	5.379	97	175634	50.284	ug/l	97
36) 1,1-Dichloropropene	5.690	75	133216	50.902	ug/l	96
37) Ethyl Acetate	4.709	43	154797	49.529	ug/l	98
38) Carbon Tetrachloride	5.672	117	157748	51.983	ug/l	98
39) Methylcyclohexane	7.379	83	173341	52.786	ug/l	93
40) Benzene	6.032	78	400958	50.190	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	87173	53.222	ug/l	95
42) 1,2-Dichloroethane	6.080	62	143942	50.283	ug/l	94
43) Isopropyl Acetate	6.336	43	241435	52.021	ug/l	96
44) Trichloroethene	7.123	130	119677	50.437	ug/l	84
45) 1,2-Dichloropropane	7.428	63	98041	51.683	ug/l	100
46) Dibromomethane	7.574	93	76207	51.094	ug/l #	76
47) Bromodichloromethane	7.818	83	152135	52.403	ug/l	99
48) Methyl methacrylate	7.690	41	121711	53.727	ug/l	92
49) 1,4-Dioxane	7.653	88	51417	971.307	ug/l #	89
51) 4-Methyl-2-Pentanone	8.568	43	796740	252.708	ug/l	97
52) Toluene	8.714	92	266106	51.027	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	151718	54.485	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	165531	54.109	ug/l	91
55) 1,1,2-Trichloroethane	9.147	97	106387	50.808	ug/l	97
56) Ethyl methacrylate	9.116	69	169048	49.970	ug/l	94
57) 1,3-Dichloropropane	9.305	76	173454	50.838	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	366638	248.973	ug/l	92
59) 2-Hexanone	9.427	43	622539	255.251	ug/l	95
60) Dibromochloromethane	9.519	129	133142	52.569	ug/l	99
61) 1,2-Dibromoethane	9.604	107	113190	49.488	ug/l	99
64) Tetrachloroethene	9.269	164	117361	51.644	ug/l	92
65) Chlorobenzene	10.080	112	309555	49.040	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	115515	53.495	ug/l	99
67) Ethyl Benzene	10.189	91	515867	52.372	ug/l	98
68) m/p-Xylenes	10.299	106	408778	104.338	ug/l	93
69) o-Xylene	10.640	106	199801	52.390	ug/l	91
70) Styrene	10.653	104	343636	53.065	ug/l	95
71) Bromoform	10.799	173	109066	53.625	ug/l #	100
73) Isopropylbenzene	10.957	105	526580	54.443	ug/l	96
74) N-amyl acetate	10.842	43	210229	54.791	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.207	83	160625	50.609	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	135257m	50.618	ug/l	
77) Bromobenzene	11.195	156	148992	52.470	ug/l	77
78) n-propylbenzene	11.305	91	597513	55.088	ug/l	96
79) 2-Chlorotoluene	11.360	91	346256	52.366	ug/l	91
80) 1,3,5-Trimethylbenzene	11.451	105	435466	54.048	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.018	75	51550	49.880	ug/l	90
82) 4-Chlorotoluene	11.451	91	409149	53.144	ug/l	92
83) tert-Butylbenzene	11.713	119	469501	54.638	ug/l	91
84) 1,2,4-Trimethylbenzene	11.750	105	435985	54.221	ug/l	92
85) sec-Butylbenzene	11.890	105	561307	54.440	ug/l	95
86) p-Isopropyltoluene	12.006	119	501237	54.777	ug/l	94
87) 1,3-Dichlorobenzene	11.969	146	273372	51.033	ug/l	95
88) 1,4-Dichlorobenzene	12.043	146	275249	48.722	ug/l	95
89) n-Butylbenzene	12.329	91	426683	54.963	ug/l	98
90) Hexachloroethane	12.536	117	85808	55.377	ug/l	60
91) 1,2-Dichlorobenzene	12.335	146	266985	50.225	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.939	75	35083	50.963	ug/l #	53
93) 1,2,4-Trichlorobenzene	13.585	180	212184	53.110	ug/l	95
94) Hexachlorobutadiene	13.725	225	102460	53.797	ug/l	99
95) Naphthalene	13.774	128	566971	52.542	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	205171	51.720	ug/l	95

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

