

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021224\
 Data File : VX040185.D
 Acq On : 12 Feb 2024 09:32
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/12/2024
 Supervised By : Semsettin Yesilyurt 02/13/2024

Quant Time: Feb 12 14:20:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 12 00:21:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	85864	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	142941	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	138902	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	77732	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63858	49.991	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.980%		
35) Dibromofluoromethane	5.379	113	50165	50.254	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.500%		
50) Toluene-d8	8.647	98	181106	48.501	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.000%		
62) 4-Bromofluorobenzene	11.079	95	78226	51.367	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.740%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	45311	46.717	ug/l	99
3) Chloromethane	1.295	50	43041	43.034	ug/l	98
4) Vinyl Chloride	1.374	62	47182	44.640	ug/l	99
5) Bromomethane	1.599	94	32963	55.266	ug/l	99
6) Chloroethane	1.679	64	29480	44.225	ug/l	95
7) Trichlorofluoromethane	1.886	101	75228	44.320	ug/l	98
8) Diethyl Ether	2.130	74	30050	47.128	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.325	101	41232	45.286	ug/l	97
10) Methyl Iodide	2.453	142	52116	51.558	ug/l	93
11) Tert butyl alcohol	2.959	59	64328	258.534	ug/l	# 93
12) 1,1-Dichloroethene	2.319	96	38623	44.058	ug/l	87
13) Acrolein	2.233	56	60118	261.767	ug/l	100
14) Allyl chloride	2.660	41	69650	45.783	ug/l	97
15) Acrylonitrile	3.056	53	138867	249.435	ug/l	99
16) Acetone	2.374	43	147866	281.843	ug/l	93
17) Carbon Disulfide	2.508	76	102346	44.222	ug/l	99
18) Methyl Acetate	2.697	43	60814	43.240	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	156824	50.779	ug/l	98
20) Methylene Chloride	2.788	84	48611	49.406	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	44172	44.243	ug/l	96
22) Diisopropyl ether	3.751	45	151902	49.234	ug/l	86
23) Vinyl Acetate	3.715	43	722004	262.505	ug/l	99
24) 1,1-Dichloroethane	3.605	63	82850	46.099	ug/l	99
25) 2-Butanone	4.544	43	203549	248.205	ug/l	96
26) 2,2-Dichloropropane	4.471	77	68644	49.617	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	54382	47.747	ug/l	92
28) Bromochloromethane	4.891	49	40908	53.612	ug/l	89
29) Tetrahydrofuran	4.995	42	129460	242.308	ug/l	95
30) Chloroform	5.087	83	92503	47.606	ug/l	96
31) Cyclohexane	5.465	56	65946	43.282	ug/l	93
32) 1,1,1-Trichloroethane	5.373	97	76508	46.803	ug/l	99
36) 1,1-Dichloropropene	5.684	75	62149	44.445	ug/l	98
37) Ethyl Acetate	4.709	43	76740	49.321	ug/l	97
38) Carbon Tetrachloride	5.666	117	63136	47.487	ug/l	93
39) Methylcyclohexane	7.379	83	72053	44.339	ug/l	94
40) Benzene	6.032	78	185002	47.310	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	42110	51.053	ug/l	93
42) 1,2-Dichloroethane	6.080	62	76517	50.061	ug/l	99
43) Isopropyl Acetate	6.330	43	126391	52.037	ug/l	99
44) Trichloroethene	7.123	130	49625	46.007	ug/l	98
45) 1,2-Dichloropropane	7.428	63	50565	49.680	ug/l	97
46) Dibromomethane	7.580	93	38291	51.082	ug/l	94
47) Bromodichloromethane	7.818	83	74504	51.583	ug/l	97
48) Methyl methacrylate	7.690	41	61933	49.833	ug/l	91
49) 1,4-Dioxane	7.653	88	25363	938.083	ug/l #	91
51) 4-Methyl-2-Pentanone	8.568	43	420245	253.419	ug/l	99
52) Toluene	8.714	92	122059	47.654	ug/l	94
53) t-1,3-Dichloropropene	8.976	75	83235	48.466	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	87391	53.988	ug/l	95
55) 1,1,2-Trichloroethane	9.147	97	54657	50.031	ug/l	97
56) Ethyl methacrylate	9.116	69	86388	52.822	ug/l	96
57) 1,3-Dichloropropane	9.305	76	90199	50.585	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	195662	252.902	ug/l	99
59) 2-Hexanone	9.427	43	340104	258.677	ug/l	99
60) Dibromochloromethane	9.519	129	60987	54.794	ug/l	99
61) 1,2-Dibromoethane	9.610	107	60025	51.691	ug/l	100
64) Tetrachloroethene	9.269	164	42426	43.586	ug/l	97
65) Chlorobenzene	10.073	112	139811	48.228	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	53202	52.989	ug/l	100
67) Ethyl Benzene	10.189	91	246924	47.826	ug/l	98
68) m/p-Xylenes	10.299	106	186481	95.634	ug/l	97
69) o-Xylene	10.640	106	94681	49.967	ug/l	99
70) Styrene	10.653	104	161011	51.108	ug/l	99
71) Bromoform	10.799	173	47068	49.919	ug/l #	99
73) Isopropylbenzene	10.964	105	247877	45.275	ug/l	100
74) N-amyl acetate	10.842	43	121970	51.974	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.214	83	93380	47.474	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	79339m	50.403	ug/l	
77) Bromobenzene	11.195	156	62141	48.056	ug/l	96
78) n-propylbenzene	11.305	91	298578	45.045	ug/l	100
79) 2-Chlorotoluene	11.360	91	181050	45.234	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	216386	46.946	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	28895	51.437	ug/l	94
82) 4-Chlorotoluene	11.451	91	215344	45.408	ug/l	97
83) tert-Butylbenzene	11.713	119	208608	46.163	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	219327	47.034	ug/l	97
85) sec-Butylbenzene	11.890	105	266561	45.900	ug/l	99
86) p-Isopropyltoluene	12.006	119	220794	46.380	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	122565	47.837	ug/l	98
88) 1,4-Dichlorobenzene	12.037	146	125899	46.405	ug/l	99
89) n-Butylbenzene	12.329	91	210506	45.809	ug/l	98
90) Hexachloroethane	12.536	117	39186	52.186	ug/l	90
91) 1,2-Dichlorobenzene	12.335	146	120801	48.704	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	24010	52.888	ug/l	88
93) 1,2,4-Trichlorobenzene	13.585	180	81053	47.733	ug/l	98
94) Hexachlorobutadiene	13.725	225	30897	45.590	ug/l	99
95) Naphthalene	13.774	128	264492	49.317	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	79712	49.248	ug/l	99

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

