

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080724\
 Data File : VX042901.D
 Acq On : 07 Aug 2024 05:12
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/07/2024
 Supervised By : Mahesh Dadoda 08/08/2024

Quant Time: Aug 07 08:31:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X080724W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 07 02:55:22 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	236584	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	402867	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	354262	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	171753	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	168394	51.848	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.700%			
35) Dibromofluoromethane	5.385	113	136199	51.705	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.420%			
50) Toluene-d8	8.647	98	466547	49.891	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.780%			
62) 4-Bromofluorobenzene	11.079	95	167789	49.932	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.860%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	136440	53.504	ug/l	97
3) Chloromethane	1.294	50	137506	49.489	ug/l	98
4) Vinyl Chloride	1.374	62	137060	51.990	ug/l	98
5) Bromomethane	1.599	94	78287	49.068	ug/l	99
6) Chloroethane	1.666	64	70389	46.868	ug/l	99
7) Trichlorofluoromethane	1.873	101	198558	48.431	ug/l	99
8) Diethyl Ether	2.136	74	76192	50.525	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.319	101	129290	50.158	ug/l	94
10) Methyl Iodide	2.447	142	155586	58.374	ug/l	95
11) Tert butyl alcohol	2.995	59	178044	275.604	ug/l #	93
12) 1,1-Dichloroethene	2.312	96	133595	51.232	ug/l	86
13) Acrolein	2.239	56	166518	261.504	ug/l	100
14) Allyl chloride	2.660	41	197114	50.026	ug/l	94
15) Acrylonitrile	3.068	53	408560	247.785	ug/l	98
16) Acetone	2.392	43	344418	244.491	ug/l	94
17) Carbon Disulfide	2.501	76	313484	49.401	ug/l	100
18) Methyl Acetate	2.709	43	213070	47.696	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	456696	52.033	ug/l	100
20) Methylene Chloride	2.788	84	150789	51.803	ug/l	91
21) trans-1,2-Dichloroethene	3.087	96	135351	51.591	ug/l	94
22) Diisopropyl ether	3.769	45	438469	50.655	ug/l	86
23) Vinyl Acetate	3.721	43	2549791	259.544	ug/l	98
24) 1,1-Dichloroethane	3.605	63	257235	51.672	ug/l	99
25) 2-Butanone	4.562	43	547674	247.561	ug/l	96
26) 2,2-Dichloropropane	4.471	77	96874	31.653	ug/l	88
27) cis-1,2-Dichloroethene	4.489	96	162467	52.218	ug/l	88
28) Bromochloromethane	4.897	49	93155	48.767	ug/l	87
29) Tetrahydrofuran	5.013	42	357236	238.967	ug/l	93
30) Chloroform	5.092	83	272976	52.379	ug/l	99
31) Cyclohexane	5.464	56	208981	51.425	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	241698	52.682	ug/l	97
36) 1,1-Dichloropropene	5.690	75	175843	49.237	ug/l	97
37) Ethyl Acetate	4.721	43	222358	49.762	ug/l	99
38) Carbon Tetrachloride	5.672	117	207661	51.510	ug/l	95
39) Methylcyclohexane	7.379	83	215691	50.804	ug/l	95
40) Benzene	6.037	78	565726	51.040	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	118313	51.407	ug/l	94
42) 1,2-Dichloroethane	6.086	62	204510	50.726	ug/l	99
43) Isopropyl Acetate	6.348	43	338026	51.151	ug/l	97
44) Trichloroethene	7.123	130	140926	50.600	ug/l	98
45) 1,2-Dichloropropane	7.427	63	140111	49.831	ug/l	99
46) Dibromomethane	7.580	93	104446	50.578	ug/l	92
47) Bromodichloromethane	7.818	83	197454	51.472	ug/l	98
48) Methyl methacrylate	7.696	41	166152	52.435	ug/l	90
49) 1,4-Dioxane	7.665	88	73210	1040.773	ug/l #	91
51) 4-Methyl-2-Pentanone	8.573	43	1098126	248.078	ug/l	98
52) Toluene	8.720	92	348844	51.885	ug/l	96
53) t-1,3-Dichloropropene	8.976	75	175720	49.552	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	191729	48.956	ug/l	91
55) 1,1,2-Trichloroethane	9.153	97	140288	51.327	ug/l	98
56) Ethyl methacrylate	9.116	69	231651	52.669	ug/l	92
57) 1,3-Dichloropropane	9.311	76	227498	50.809	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	526748	254.105	ug/l	100
59) 2-Hexanone	9.433	43	843561	245.937	ug/l	96
60) Dibromochloromethane	9.518	129	156575	52.147	ug/l	99
61) 1,2-Dibromoethane	9.610	107	150416	52.087	ug/l	98
64) Tetrachloroethene	9.275	164	137875	55.973	ug/l	95
65) Chlorobenzene	10.079	112	383437	51.005	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	136242	52.559	ug/l	99
67) Ethyl Benzene	10.195	91	659183	52.129	ug/l	100
68) m/p-Xylenes	10.299	106	502787	104.153	ug/l	99
69) o-Xylene	10.640	106	249410	51.576	ug/l	100
70) Styrene	10.652	104	421248	54.171	ug/l	97
71) Bromoform	10.799	173	112606	51.187	ug/l #	99
73) Isopropylbenzene	10.963	105	640905	51.613	ug/l	99
74) N-amyl acetate	10.841	43	292478	52.347	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	217665	47.849	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	202096m	52.320	ug/l	
77) Bromobenzene	11.195	156	158837	50.285	ug/l	90
78) n-propylbenzene	11.305	91	720044	52.202	ug/l	99
79) 2-Chlorotoluene	11.366	91	449602	50.856	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	539346	52.456	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	53323	44.886	ug/l	91
82) 4-Chlorotoluene	11.451	91	519588	52.288	ug/l	99
83) tert-Butylbenzene	11.713	119	540998	51.199	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	555375	53.654	ug/l	99
85) sec-Butylbenzene	11.890	105	663188	53.301	ug/l	100
86) p-Isopropyltoluene	12.006	119	554768	53.667	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	289188	50.587	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	284432	48.542	ug/l	97
89) n-Butylbenzene	12.329	91	467608	52.434	ug/l	97
90) Hexachloroethane	12.536	117	96399	50.979	ug/l	84
91) 1,2-Dichlorobenzene	12.335	146	293617	51.291	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	50713	50.736	ug/l	81
93) 1,2,4-Trichlorobenzene	13.585	180	176628	50.584	ug/l	95
94) Hexachlorobutadiene	13.725	225	75009	50.651	ug/l	99
95) Naphthalene	13.774	128	645969	53.461	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	184828	52.585	ug/l	98

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

