

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121423\
 Data File : VX039195.D
 Acq On : 14 Dec 2023 09:41
 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 12/15/2023
 Supervised By : Mahesh Dadoda 12/15/2023

Quant Time: Dec 15 02:55:03 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

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	138399	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	246796	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	226419	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	114082	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	118966	46.923	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.840%		
35) Dibromofluoromethane	5.379	113	84059	49.302	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.600%		
50) Toluene-d8	8.647	98	316616	50.020	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.040%		
62) 4-Bromofluorobenzene	11.079	95	129692	49.659	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.320%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	100504	51.679	ug/l	98
3) Chloromethane	1.294	50	104381	48.414	ug/l	98
4) Vinyl Chloride	1.374	62	98149	48.949	ug/l	100
5) Bromomethane	1.599	94	59130	51.257	ug/l	100
6) Chloroethane	1.685	64	54672	45.245	ug/l	97
7) Trichlorofluoromethane	1.886	101	143294	48.804	ug/l	99
8) Diethyl Ether	2.130	74	48412	47.641	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	87301	48.725	ug/l	95
10) Methyl Iodide	2.453	142	90124	48.664	ug/l	94
11) Tert butyl alcohol	2.953	59	145292	228.205	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	85045	47.785	ug/l	97
13) Acrolein	2.233	56	133998	263.820	ug/l	100
14) Allyl chloride	2.660	41	169417	46.990	ug/l	98
15) Acrylonitrile	3.056	53	300393	235.717	ug/l	99
16) Acetone	2.374	43	430251	297.555	ug/l	95
17) Carbon Disulfide	2.508	76	247297	47.482	ug/l	99
18) Methyl Acetate	2.697	43	250681	45.713	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	301740	46.879	ug/l	98
20) Methylene Chloride	2.788	84	96997	45.893	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	90630	46.798	ug/l	99
22) Diisopropyl ether	3.751	45	310571	47.322	ug/l	99
23) Vinyl Acetate	3.715	43	1201111	245.832	ug/l	99
24) 1,1-Dichloroethane	3.605	63	175511	47.309	ug/l	100
25) 2-Butanone	4.544	43	497078	227.201	ug/l	99
26) 2,2-Dichloropropane	4.471	77	155271	47.940	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	101794	47.622	ug/l	96
28) Bromochloromethane	4.891	49	87065	48.097	ug/l	92
29) Tetrahydrofuran	4.995	42	286595	237.204	ug/l	99
30) Chloroform	5.086	83	173263	46.734	ug/l	100
31) Cyclohexane	5.464	56	158443	48.384	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	152014	47.232	ug/l	98
36) 1,1-Dichloropropene	5.690	75	131163	48.750	ug/l	99
37) Ethyl Acetate	4.702	43	162990	49.034	ug/l	99
38) Carbon Tetrachloride	5.672	117	126620	49.314	ug/l	100
39) Methylcyclohexane	7.373	83	160779	49.749	ug/l	98
40) Benzene	6.031	78	371249	48.779	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	86122	48.560	ug/l	96
42) 1,2-Dichloroethane	6.080	62	148712	48.271	ug/l	99
43) Isopropyl Acetate	6.330	43	260947	48.276	ug/l	99
44) Trichloroethene	7.123	130	90984	47.374	ug/l	92
45) 1,2-Dichloropropane	7.428	63	101072	49.482	ug/l	100
46) Dibromomethane	7.574	93	69116	48.136	ug/l	96
47) Bromodichloromethane	7.818	83	139033	50.642	ug/l	98
48) Methyl methacrylate	7.690	41	156118	49.404	ug/l	95
49) 1,4-Dioxane	7.653	88	47465	1114.310	ug/l #	99
51) 4-Methyl-2-Pentanone	8.568	43	837171	243.083	ug/l	99
52) Toluene	8.714	92	223923	48.747	ug/l	94
53) t-1,3-Dichloropropene	8.976	75	155017	51.287	ug/l	97
54) cis-1,3-Dichloropropene	8.360	75	162200	49.874	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	93224	48.611	ug/l	92
56) Ethyl methacrylate	9.110	69	121545	51.917	ug/l	98
57) 1,3-Dichloropropane	9.305	76	162112	48.897	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	300593	218.664	ug/l	94
59) 2-Hexanone	9.427	43	712835	239.827	ug/l	99
60) Dibromochloromethane	9.519	129	97950	50.503	ug/l	99
61) 1,2-Dibromoethane	9.604	107	99245	48.477	ug/l	100
64) Tetrachloroethene	9.269	164	72044	48.693	ug/l	93
65) Chlorobenzene	10.073	112	234768	47.504	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	86917	49.790	ug/l	99
67) Ethyl Benzene	10.189	91	453290	49.274	ug/l	96
68) m/p-Xylenes	10.299	106	321662	97.521	ug/l	92
69) o-Xylene	10.640	106	156309	49.014	ug/l	94
70) Styrene	10.653	104	232497	49.868	ug/l	95
71) Bromoform	10.799	173	66812	51.491	ug/l #	99
73) Isopropylbenzene	10.957	105	427575	48.578	ug/l	100
74) N-amyl acetate	10.842	43	223087	50.094	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.207	83	154620	47.222	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	140775m	47.696	ug/l	
77) Bromobenzene	11.195	156	91390	46.953	ug/l	87
78) n-propylbenzene	11.305	91	532322	49.086	ug/l	96
79) 2-Chlorotoluene	11.360	91	313134	47.736	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	368348	49.124	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	50995	48.740	ug/l	94
82) 4-Chlorotoluene	11.451	91	369335	47.937	ug/l	97
83) tert-Butylbenzene	11.713	119	349152	48.927	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	373609	48.587	ug/l	99
85) sec-Butylbenzene	11.890	105	444410	48.940	ug/l	97
86) p-Isopropyltoluene	12.006	119	374690	49.167	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	181840	47.554	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	183418	46.068	ug/l	98
89) n-Butylbenzene	12.329	91	380166	50.746	ug/l	97
90) Hexachloroethane	12.536	117	71077	51.632	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	172144	47.050	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.939	75	43378	50.297	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	117413	49.008	ug/l	98
94) Hexachlorobutadiene	13.725	225	43340	48.003	ug/l	98
95) Naphthalene	13.774	128	406634	48.737	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	112051	48.448	ug/l	99

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

