

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010924\
 Data File : VX039691.D
 Acq On : 09 Jan 2024 19:54
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/10/2024
 Supervised By : Mahesh Dadoda 01/10/2024

Quant Time: Jan 10 07:26:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X010924W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 10 07:08:34 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	100851	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	178628	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	163727	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	74852	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	79922	47.433	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.860%		
35) Dibromofluoromethane	5.385	113	57722	49.451	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.900%		
50) Toluene-d8	8.647	98	222426	50.302	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.600%		
62) 4-Bromofluorobenzene	11.079	95	85094	51.390	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.780%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	73068	53.913	ug/l	97
3) Chloromethane	1.295	50	77662	51.352	ug/l	97
4) Vinyl Chloride	1.374	62	76694	53.484	ug/l	100
5) Bromomethane	1.599	94	35788	52.093	ug/l	100
6) Chloroethane	1.666	64	38435	55.910	ug/l	97
7) Trichlorofluoromethane	1.874	101	108760	51.594	ug/l	100
8) Diethyl Ether	2.136	74	39736	51.955	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.325	101	66525	53.124	ug/l	97
10) Methyl Iodide	2.447	142	77198	54.713	ug/l	94
11) Tert butyl alcohol	3.002	59	114311	257.736	ug/l #	92
12) 1,1-Dichloroethene	2.313	96	65080	52.445	ug/l	94
13) Acrolein	2.240	56	75239	249.909	ug/l	99
14) Allyl chloride	2.660	41	128807	53.163	ug/l	98
15) Acrylonitrile	3.063	53	239833	263.805	ug/l	99
16) Acetone	2.386	43	227713	250.430	ug/l	93
17) Carbon Disulfide	2.508	76	180742	50.491	ug/l	100
18) Methyl Acetate	2.703	43	104903	52.414	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	229672	52.644	ug/l	99
20) Methylene Chloride	2.788	84	74694	49.467	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	67002	51.831	ug/l	99
22) Diisopropyl ether	3.764	45	244739	53.154	ug/l	89
23) Vinyl Acetate	3.721	43	1168503	273.902	ug/l	100
24) 1,1-Dichloroethane	3.605	63	134861	53.014	ug/l	100
25) 2-Butanone	4.556	43	348866	262.455	ug/l	100
26) 2,2-Dichloropropane	4.471	77	106396	53.020	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	78925	53.093	ug/l	100
28) Bromochloromethane	4.891	49	62878	53.967	ug/l	94
29) Tetrahydrofuran	5.001	42	231383	266.949	ug/l	99
30) Chloroform	5.093	83	134124	53.990	ug/l	98
31) Cyclohexane	5.465	56	120573	52.607	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	115285	54.565	ug/l	99
36) 1,1-Dichloropropene	5.690	75	97051	53.159	ug/l	99
37) Ethyl Acetate	4.715	43	131354	55.110	ug/l	99
38) Carbon Tetrachloride	5.672	117	94559	55.003	ug/l	97
39) Methylcyclohexane	7.379	83	120729	54.841	ug/l	98
40) Benzene	6.038	78	288690	54.770	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	67204	55.752	ug/l	95
42) 1,2-Dichloroethane	6.086	62	109838	53.868	ug/l	99
43) Isopropyl Acetate	6.342	43	202813	55.604	ug/l	99
44) Trichloroethene	7.123	130	68372	53.990	ug/l	99
45) 1,2-Dichloropropane	7.428	63	78095	54.325	ug/l	99
46) Dibromomethane	7.580	93	53598	56.234	ug/l	94
47) Bromodichloromethane	7.818	83	99516	56.637	ug/l	98
48) Methyl methacrylate	7.690	41	99696	57.770	ug/l	95
49) 1,4-Dioxane	7.665	88	41347	1177.805	ug/l #	96
51) 4-Methyl-2-Pentanone	8.574	43	688094	283.411	ug/l	98
52) Toluene	8.714	92	172160	54.172	ug/l	94
53) t-1,3-Dichloropropene	8.976	75	108454	56.654	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	118535	57.045	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	71944	54.180	ug/l	94
56) Ethyl methacrylate	9.116	69	123820	57.864	ug/l	97
57) 1,3-Dichloropropane	9.305	76	124029	55.045	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	285376	282.989	ug/l	94
59) 2-Hexanone	9.433	43	552184	285.198	ug/l	100
60) Dibromochloromethane	9.519	129	71194	59.134	ug/l	100
61) 1,2-Dibromoethane	9.610	107	77520	56.528	ug/l	100
64) Tetrachloroethene	9.275	164	52597	50.874	ug/l	95
65) Chlorobenzene	10.080	112	179563	52.829	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	65398	54.946	ug/l	99
67) Ethyl Benzene	10.195	91	341203	54.164	ug/l	99
68) m/p-Xylenes	10.299	106	249329	107.405	ug/l	94
69) o-Xylene	10.640	106	123824	53.753	ug/l	94
70) Styrene	10.653	104	207362	56.391	ug/l	98
71) Bromoform	10.799	173	48915	56.990	ug/l #	99
73) Isopropylbenzene	10.964	105	333184	53.685	ug/l	99
74) N-amyl acetate	10.842	43	185624	56.151	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.214	83	126577	52.645	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	106544m	52.730	ug/l	
77) Bromobenzene	11.195	156	72557	52.035	ug/l	95
78) n-propylbenzene	11.305	91	399225	54.473	ug/l	97
79) 2-Chlorotoluene	11.366	91	242647	52.857	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	285231	53.816	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.018	75	36933	56.095	ug/l	97
82) 4-Chlorotoluene	11.451	91	274673	52.801	ug/l	98
83) tert-Butylbenzene	11.713	119	272422	53.331	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	284147	53.782	ug/l	99
85) sec-Butylbenzene	11.890	105	350264	55.005	ug/l	99
86) p-Isopropyltoluene	12.006	119	280051	55.291	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	138265	52.515	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	136856	52.134	ug/l	99
89) n-Butylbenzene	12.335	91	262994	56.388	ug/l	96
90) Hexachloroethane	12.536	117	49621	56.199	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	135175	51.441	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	31015	55.634	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	80122	53.529	ug/l	97
94) Hexachlorobutadiene	13.725	225	33046	53.140	ug/l	98
95) Naphthalene	13.774	128	315157	52.808	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	82393	53.837	ug/l	99

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

