

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031423\
 Data File : VX034501.D
 Acq On : 15 Mar 2023 12:06
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/15/2023
 Supervised By : Mahesh Dadoda 03/15/2023

Quant Time: Mar 15 14:25:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	257052	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	444669	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	412573	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	213423	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	187308	50.088	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.180%			
35) Dibromofluoromethane	5.385	113	144909	49.357	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.720%			
50) Toluene-d8	8.647	98	542291	49.479	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.960%			
62) 4-Bromofluorobenzene	11.079	95	223427	50.469	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.940%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	107901	45.027	ug/l	99
3) Chloromethane	1.307	50	162060	44.500	ug/l	99
4) Vinyl Chloride	1.374	62	155505	47.657	ug/l	98
5) Bromomethane	1.599	94	82210	49.935	ug/l	100
6) Chloroethane	1.678	64	97633	51.968	ug/l	97
7) Trichlorofluoromethane	1.886	101	248389	50.661	ug/l	99
8) Diethyl Ether	2.130	74	91832	51.308	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.325	101	126582	44.301	ug/l	99
10) Methyl Iodide	2.453	142	186389	49.685	ug/l	97
11) Tert butyl alcohol	2.959	59	186788	239.859	ug/l	99
12) 1,1-Dichloroethene	2.319	96	127831	45.426	ug/l	97
13) Acrolein	2.233	56	186881	303.349	ug/l	98
14) Allyl chloride	2.660	41	244062	42.780	ug/l	99
15) Acrylonitrile	3.062	53	421033	250.284	ug/l	100
16) Acetone	2.373	43	370117	210.111	ug/l	98
17) Carbon Disulfide	2.508	76	312896	39.511	ug/l	99
18) Methyl Acetate	2.703	43	283198	49.202	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	481775	47.816	ug/l	98
20) Methylene Chloride	2.788	84	153749	44.972	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	140859	47.133	ug/l	97
22) Diisopropyl ether	3.757	45	529022	48.635	ug/l	97
23) Vinyl Acetate	3.721	43	2011769	243.016	ug/l	98
24) 1,1-Dichloroethane	3.611	63	274722	46.984	ug/l	99
25) 2-Butanone	4.550	43	603200	239.317	ug/l	99
26) 2,2-Dichloropropane	4.477	77	167761	33.007	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	167889	46.667	ug/l	97
28) Bromochloromethane	4.897	49	136770	50.307	ug/l	99
29) Tetrahydrofuran	5.001	42	395584	254.346	ug/l	100
30) Chloroform	5.092	83	282070	49.213	ug/l	100
31) Cyclohexane	5.464	56	238303	45.438	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	243300	47.951	ug/l	99
36) 1,1-Dichloropropene	5.690	75	202294	44.861	ug/l	99
37) Ethyl Acetate	4.708	43	236216	47.949	ug/l	99
38) Carbon Tetrachloride	5.672	117	201991	45.027	ug/l	99
39) Methylcyclohexane	7.379	83	230548	42.722	ug/l	96
40) Benzene	6.037	78	610978	46.316	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	131813	48.823	ug/l	99
42) 1,2-Dichloroethane	6.086	62	236580	48.798	ug/l	100
43) Isopropyl Acetate	6.336	43	398942	47.803	ug/l	100
44) Trichloroethene	7.123	130	153613	44.817	ug/l	99
45) 1,2-Dichloropropane	7.427	63	163427	47.447	ug/l	100
46) Dibromomethane	7.580	93	110468	47.175	ug/l	99
47) Bromodichloromethane	7.818	83	214845	47.406	ug/l	99
48) Methyl methacrylate	7.690	41	195117	48.612	ug/l	98
49) 1,4-Dioxane	7.659	88	90369	1071.931	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	1243501	256.850	ug/l	99
52) Toluene	8.720	92	392086	48.008	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	230315	45.109	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	244527	44.267	ug/l	100
55) 1,1,2-Trichloroethane	9.153	97	162279	50.067	ug/l	100
56) Ethyl methacrylate	9.116	69	262359	49.300	ug/l	98
57) 1,3-Dichloropropane	9.305	76	279759	48.565	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	646673	235.790	ug/l	100
59) 2-Hexanone	9.427	43	946243	252.841	ug/l	100
60) Dibromochloromethane	9.518	129	166473	48.972	ug/l	100
61) 1,2-Dibromoethane	9.610	107	170266	48.681	ug/l	100
64) Tetrachloroethene	9.275	164	127800	46.114	ug/l	98
65) Chlorobenzene	10.079	112	418372	46.218	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	155561	47.184	ug/l	100
67) Ethyl Benzene	10.195	91	765722	47.251	ug/l	98
68) m/p-Xylenes	10.299	106	582187	93.521	ug/l	98
69) o-Xylene	10.640	106	293072	46.912	ug/l	98
70) Styrene	10.652	104	487994	48.416	ug/l	100
71) Bromoform	10.799	173	119756	47.189	ug/l	99
73) Isopropylbenzene	10.963	105	764344	46.338	ug/l	99
74) N-amyl acetate	10.841	43	379591	48.046	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	266298	48.380	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	245964m	50.192	ug/l	
77) Bromobenzene	11.195	156	184576	46.639	ug/l	100
78) n-propylbenzene	11.305	91	902211	47.360	ug/l	99
79) 2-Chlorotoluene	11.366	91	550352	46.778	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	654220	47.286	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	70216	38.763	ug/l	94
82) 4-Chlorotoluene	11.451	91	638455	47.113	ug/l	99
83) tert-Butylbenzene	11.713	119	650745	46.650	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	660580	46.718	ug/l	98
85) sec-Butylbenzene	11.890	105	798020	46.794	ug/l	99
86) p-Isopropyltoluene	12.006	119	661011	46.118	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	348997	45.008	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	355062	45.285	ug/l	100
89) n-Butylbenzene	12.329	91	574816	45.113	ug/l	99
90) Hexachloroethane	12.536	117	120496	45.434	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	354097	47.253	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	59085	47.246	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	204028	43.539	ug/l	98
94) Hexachlorobutadiene	13.725	225	78418	41.538	ug/l	99
95) Naphthalene	13.774	128	736400	46.862	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	210590	45.973	ug/l	99

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

