

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031623\
 Data File : VX034557.D
 Acq On : 16 Mar 2023 19:43
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/17/2023
 Supervised By : Mahesh Dadoda 03/17/2023

Quant Time: Mar 17 06:32:23 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	270519	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	467413	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	430853	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	218759	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	181707	46.171	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.340%		
35) Dibromofluoromethane	5.385	113	133251	43.178	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	86.360%		
50) Toluene-d8	8.647	98	491788	42.688	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	85.380%#		
62) 4-Bromofluorobenzene	11.079	95	200535	43.094	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	86.180%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	108198	42.903	ug/l	99
3) Chloromethane	1.307	50	148322	38.524	ug/l	97
4) Vinyl Chloride	1.374	62	144082	41.958	ug/l	97
5) Bromomethane	1.599	94	75286	43.453	ug/l	99
6) Chloroethane	1.679	64	92067	46.565	ug/l	98
7) Trichlorofluoromethane	1.880	101	232973	45.152	ug/l	97
8) Diethyl Ether	2.130	74	88831	47.161	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.325	101	130394	43.363	ug/l	98
10) Methyl Iodide	2.447	142	178805	45.291	ug/l	96
11) Tert butyl alcohol	2.959	59	185361	226.177	ug/l	99
12) 1,1-Dichloroethene	2.319	96	125666	42.434	ug/l	96
13) Acrolein	2.233	56	189250	291.902	ug/l	98
14) Allyl chloride	2.660	41	254100	42.322	ug/l	96
15) Acrylonitrile	3.062	53	423690	239.325	ug/l	99
16) Acetone	2.380	43	383854	207.061	ug/l	98
17) Carbon Disulfide	2.508	76	296103	35.529	ug/l	100
18) Methyl Acetate	2.703	43	284171	46.913	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	486756	45.906	ug/l	97
20) Methylene Chloride	2.788	84	149571	41.572	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	136340	43.350	ug/l	97
22) Diisopropyl ether	3.757	45	525294	45.889	ug/l	100
23) Vinyl Acetate	3.721	43	2060333	236.492	ug/l	99
24) 1,1-Dichloroethane	3.605	63	277095	45.031	ug/l	98
25) 2-Butanone	4.550	43	624001	235.245	ug/l	98
26) 2,2-Dichloropropane	4.471	77	222987	41.689	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	167433	44.224	ug/l	98
28) Bromochloromethane	4.891	49	128531	44.923	ug/l	99
29) Tetrahydrofuran	5.007	42	394066	240.756	ug/l	100
30) Chloroform	5.099	83	288611	47.848	ug/l	99
31) Cyclohexane	5.471	56	230913	41.837	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	248749	46.584	ug/l	99
36) 1,1-Dichloropropene	5.690	75	199651	42.120	ug/l	100
37) Ethyl Acetate	4.715	43	240768	46.495	ug/l	99
38) Carbon Tetrachloride	5.678	117	206374	43.765	ug/l	96
39) Methylcyclohexane	7.379	83	228697	40.317	ug/l	93
40) Benzene	6.038	78	594935	42.905	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	135566	47.770	ug/l	98
42) 1,2-Dichloroethane	6.086	62	245386	48.151	ug/l	98
43) Isopropyl Acetate	6.336	43	404058	46.060	ug/l	100
44) Trichloroethene	7.123	130	155124	43.056	ug/l	95
45) 1,2-Dichloropropane	7.428	63	162602	44.910	ug/l	98
46) Dibromomethane	7.580	93	110826	45.025	ug/l	99
47) Bromodichloromethane	7.824	83	218724	45.913	ug/l	98
48) Methyl methacrylate	7.690	41	200028	47.410	ug/l	97
49) 1,4-Dioxane	7.659	88	88604	999.855	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	1243512	244.354	ug/l	99
52) Toluene	8.720	92	373524	43.510	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	240191	44.754	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	255725	44.041	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	159479	46.809	ug/l	98
56) Ethyl methacrylate	9.116	69	259038	46.307	ug/l	97
57) 1,3-Dichloropropane	9.305	76	276197	45.613	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	691077	239.719	ug/l	100
59) 2-Hexanone	9.427	43	958294	243.601	ug/l	99
60) Dibromochloromethane	9.519	129	163202	45.673	ug/l	99
61) 1,2-Dibromoethane	9.610	107	169129	46.003	ug/l	98
64) Tetrachloroethene	9.275	164	124423	42.990	ug/l	98
65) Chlorobenzene	10.080	112	407161	43.071	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	153305	44.527	ug/l	99
67) Ethyl Benzene	10.195	91	739141	43.675	ug/l	99
68) m/p-Xylenes	10.299	106	560325	86.190	ug/l	98
69) o-Xylene	10.640	106	284117	43.549	ug/l	99
70) Styrene	10.653	104	470632	44.712	ug/l	100
71) Bromoform	10.799	173	118052	44.543	ug/l	99
73) Isopropylbenzene	10.964	105	742931	43.941	ug/l	100
74) N-amyl acetate	10.842	43	381063	47.056	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	258160	45.757	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	217812m	43.363	ug/l	
77) Bromobenzene	11.195	156	176168	43.429	ug/l	98
78) n-propylbenzene	11.305	91	869933	44.552	ug/l	99
79) 2-Chlorotoluene	11.366	91	539241	44.715	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	632842	44.625	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	75988	40.926	ug/l	93
82) 4-Chlorotoluene	11.451	91	621941	44.775	ug/l	100
83) tert-Butylbenzene	11.713	119	646720	45.230	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	638967	44.087	ug/l	99
85) sec-Butylbenzene	11.890	105	779965	44.620	ug/l	99
86) p-Isopropyltoluene	12.006	119	651465	44.344	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	337151	42.419	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	342959	42.674	ug/l	100
89) n-Butylbenzene	12.329	91	568592	43.536	ug/l	99
90) Hexachloroethane	12.536	117	115607	42.527	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	339578	44.210	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	57375	44.760	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	200324	41.706	ug/l	98
94) Hexachlorobutadiene	13.725	225	80714	41.711	ug/l	98
95) Naphthalene	13.774	128	709978	44.079	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	201275	42.868	ug/l	99

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

