

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031723\
 Data File : VX034618.D
 Acq On : 18 Mar 2023 07:38
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/20/2023
 Supervised By : Mahesh Dadoda 03/20/2023

Quant Time: Mar 20 09:01:05 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	240933	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	420170	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	453066	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	231966	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	182189	51.978	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.960%			
35) Dibromofluoromethane	5.385	113	140242	50.553	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.100%			
50) Toluene-d8	8.647	98	516071	49.832	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.660%			
62) 4-Bromofluorobenzene	11.079	95	254539	60.850	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 121.700%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	102649	45.701	ug/l	99
3) Chloromethane	1.307	50	147248	43.096	ug/l	100
4) Vinyl Chloride	1.374	62	144227	47.158	ug/l	96
5) Bromomethane	1.599	94	76234	49.403	ug/l	100
6) Chloroethane	1.679	64	98148	55.737	ug/l	100
7) Trichlorofluoromethane	1.880	101	245715	53.469	ug/l	100
8) Diethyl Ether	2.130	74	93926	55.989	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.325	101	127071	47.447	ug/l	99
10) Methyl Iodide	2.447	142	173668	49.391	ug/l	96
11) Tert butyl alcohol	2.959	59	209269	286.706	ug/l	100
12) 1,1-Dichloroethene	2.313	96	122587	46.477	ug/l	94
13) Acrolein	2.233	56	146999	254.576	ug/l	99
14) Allyl chloride	2.660	41	236425	44.214	ug/l	98
15) Acrylonitrile	3.062	53	426232	270.326	ug/l	99
16) Acetone	2.380	43	384988	233.175	ug/l	100
17) Carbon Disulfide	2.508	76	271056	36.517	ug/l	99
18) Methyl Acetate	2.703	43	289541	53.670	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	481080	50.942	ug/l	99
20) Methylene Chloride	2.788	84	147512	46.034	ug/l	100
21) trans-1,2-Dichloroethene	3.087	96	132391	47.264	ug/l	96
22) Diisopropyl ether	3.757	45	524178	51.414	ug/l	98
23) Vinyl Acetate	3.721	43	2005933	258.522	ug/l	99
24) 1,1-Dichloroethane	3.611	63	272367	49.698	ug/l	98
25) 2-Butanone	4.550	43	618861	261.957	ug/l	99
26) 2,2-Dichloropropane	4.477	77	146328	30.716	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	162712	48.254	ug/l	97
28) Bromochloromethane	4.898	49	117359	46.055	ug/l	98
29) Tetrahydrofuran	5.001	42	396358	271.893	ug/l	99
30) Chloroform	5.093	83	280480	52.210	ug/l	99
31) Cyclohexane	5.471	56	227173	46.214	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	238518	50.153	ug/l	99
36) 1,1-Dichloropropene	5.690	75	194936	45.750	ug/l	100
37) Ethyl Acetate	4.715	43	238733	51.286	ug/l	100
38) Carbon Tetrachloride	5.672	117	198952	46.935	ug/l	100
39) Methylcyclohexane	7.379	83	222636	43.661	ug/l	97
40) Benzene	6.038	78	591713	47.471	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	133605	52.372	ug/l	99
42) 1,2-Dichloroethane	6.086	62	238328	52.025	ug/l	98
43) Isopropyl Acetate	6.336	43	407910	51.727	ug/l	99
44) Trichloroethene	7.123	130	147718	45.610	ug/l	98
45) 1,2-Dichloropropane	7.428	63	160176	49.214	ug/l	97
46) Dibromomethane	7.580	93	110189	49.799	ug/l	98
47) Bromodichloromethane	7.824	83	215384	50.296	ug/l	97
48) Methyl methacrylate	7.690	41	196426	51.791	ug/l	97
49) 1,4-Dioxane	7.659	88	90358	1134.295	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	1280133	279.833	ug/l	98
52) Toluene	8.714	92	378360	49.029	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	223926	46.415	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	235402	45.100	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	173160	56.540	ug/l	98
56) Ethyl methacrylate	9.116	69	261833	52.070	ug/l	96
57) 1,3-Dichloropropane	9.305	76	304754	55.988	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	569270	219.670	ug/l	100
59) 2-Hexanone	9.427	43	1075474	304.128	ug/l	99
60) Dibromochloromethane	9.519	129	181739	56.580	ug/l	99
61) 1,2-Dibromoethane	9.610	107	188368	56.996	ug/l	99
64) Tetrachloroethene	9.275	164	133144	43.748	ug/l	91
65) Chlorobenzene	10.080	112	477130	47.998	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	179450	49.565	ug/l	99
67) Ethyl Benzene	10.195	91	870030	48.889	ug/l	99
68) m/p-Xylenes	10.299	106	656942	96.098	ug/l	98
69) o-Xylene	10.640	106	328254	47.848	ug/l	97
70) Styrene	10.653	104	553317	49.990	ug/l	99
71) Bromoform	10.799	173	134104	48.119	ug/l	99
73) Isopropylbenzene	10.964	105	870634	48.562	ug/l	100
74) N-amyl acetate	10.842	43	435919	50.765	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	299795	50.112	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	281740m	52.897	ug/l	
77) Bromobenzene	11.195	156	205498	47.775	ug/l	97
78) n-propylbenzene	11.305	91	1010551	48.807	ug/l	99
79) 2-Chlorotoluene	11.366	91	637973	49.891	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	743681	49.455	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	75586	38.392	ug/l	92
82) 4-Chlorotoluene	11.457	91	724492	49.188	ug/l	100
83) tert-Butylbenzene	11.713	119	742632	48.981	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	755043	49.130	ug/l	99
85) sec-Butylbenzene	11.890	105	903750	48.757	ug/l	100
86) p-Isopropyltoluene	12.006	119	766490	49.203	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	395606	46.940	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	393896	46.222	ug/l	99
89) n-Butylbenzene	12.335	91	642510	46.394	ug/l	99
90) Hexachloroethane	12.536	117	130881	45.405	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	384768	47.242	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	58910	43.341	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	201793	39.619	ug/l	100
94) Hexachlorobutadiene	13.725	225	77509	37.774	ug/l	98
95) Naphthalene	13.774	128	731464	42.827	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	205370	41.250	ug/l	99

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

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