

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052422\
 Data File : VX028936.D
 Acq On : 24 May 2022 20:58
 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 05/25/2022
 Supervised By : Mahesh Dadoda 05/25/2022

Quant Time: May 25 01:52:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	254998	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	422969	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	387185	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	198427	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	176871	50.601	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.200%			
35) Dibromofluoromethane	5.391	113	144709	52.218	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 104.440%			
50) Toluene-d8	8.653	98	513955	49.191	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 98.380%			
62) 4-Bromofluorobenzene	11.079	95	201561	51.650	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 103.300%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	151749	45.448	ug/l	99
3) Chloromethane	1.288	50	133520	42.462	ug/l	99
4) Vinyl Chloride	1.374	62	146416	43.207	ug/l	99
5) Bromomethane	1.605	94	131471	55.470	ug/l	99
6) Chloroethane	1.678	64	97771	45.609	ug/l	99
7) Trichlorofluoromethane	1.886	101	242788	44.938	ug/l	97
8) Diethyl Ether	2.136	74	89169	45.295	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.325	101	136606	48.049	ug/l	99
10) Methyl Iodide	2.453	142	142110	41.751	ug/l	95
11) Tert butyl alcohol	3.007	59	201206m	271.938	ug/l	
12) 1,1-Dichloroethene	2.319	96	125060	47.387	ug/l	96
13) Acrolein	2.239	56	130217	226.964	ug/l	97
14) Allyl chloride	2.666	41	200940	47.472	ug/l	93
15) Acrylonitrile	3.068	53	413054	245.265	ug/l	100
16) Acetone	2.380	43	359639	239.734	ug/l	91
17) Carbon Disulfide	2.508	76	270091	39.480	ug/l	100
18) Methyl Acetate	2.703	43	192360	51.196	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	491508	52.482	ug/l	100
20) Methylene Chloride	2.788	84	149204	47.408	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	138494	46.589	ug/l	99
22) Diisopropyl ether	3.763	45	448146	49.544	ug/l	94
23) Vinyl Acetate	3.721	43	1928082	247.258	ug/l	97
24) 1,1-Dichloroethane	3.611	63	263510	50.110	ug/l	99
25) 2-Butanone	4.562	43	569795	241.976	ug/l	97
26) 2,2-Dichloropropane	4.477	77	187606	45.501	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	172344	49.639	ug/l	96
28) Bromochloromethane	4.903	49	96987	43.817	ug/l	99
29) Tetrahydrofuran	5.007	42	364730	238.289	ug/l	94
30) Chloroform	5.099	83	295011	51.837	ug/l	99
31) Cyclohexane	5.470	56	215893	44.497	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	258163	51.961	ug/l	99
36) 1,1-Dichloropropene	5.696	75	199442	47.916	ug/l	99
37) Ethyl Acetate	4.714	43	219933	50.589	ug/l	97
38) Carbon Tetrachloride	5.684	117	223203	53.285	ug/l	96
39) Methylcyclohexane	7.385	83	232930	48.797	ug/l	96
40) Benzene	6.037	78	590860	49.393	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	122800	52.681	ug/l	93
42) 1,2-Dichloroethane	6.086	62	231424	52.448	ug/l	98
43) Isopropyl Acetate	6.342	43	343582	50.516	ug/l	97
44) Trichloroethene	7.129	130	164833	50.807	ug/l	95
45) 1,2-Dichloropropane	7.434	63	151366	50.716	ug/l	95
46) Dibromomethane	7.586	93	112622	50.528	ug/l	96
47) Bromodichloromethane	7.824	83	222582	53.788	ug/l	99
48) Methyl methacrylate	7.696	41	173356	52.763	ug/l	90
49) 1,4-Dioxane	7.671	88	79161	964.436	ug/l	97
51) 4-Methyl-2-Pentanone	8.580	43	1118193	249.595	ug/l	96
52) Toluene	8.720	92	386401	50.213	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	225730	47.474	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	244053	52.414	ug/l #	90
55) 1,1,2-Trichloroethane	9.153	97	166182	52.960	ug/l	98
56) Ethyl methacrylate	9.116	69	251980	53.028	ug/l #	90
57) 1,3-Dichloropropane	9.311	76	274284	51.825	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	557651	239.704	ug/l	97
59) 2-Hexanone	9.433	43	862707	247.857	ug/l	94
60) Dibromochloromethane	9.525	129	172391	56.332	ug/l	96
61) 1,2-Dibromoethane	9.610	107	171559	52.055	ug/l	98
64) Tetrachloroethene	9.275	164	147346	50.394	ug/l	97
65) Chlorobenzene	10.079	112	421483	51.313	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	164093	56.396	ug/l	98
67) Ethyl Benzene	10.195	91	754792	51.268	ug/l	98
68) m/p-Xylenes	10.305	106	585302	102.113	ug/l	99
69) o-Xylene	10.640	106	290493	51.475	ug/l	98
70) Styrene	10.659	104	490501	53.522	ug/l	97
71) Bromoform	10.799	173	123812	51.298	ug/l #	100
73) Isopropylbenzene	10.963	105	765748	50.888	ug/l	99
74) N-amyl acetate	10.848	43	288132	48.711	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	260300	50.423	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	234392m	50.440	ug/l	
77) Bromobenzene	11.201	156	186253	52.312	ug/l	96
78) n-propylbenzene	11.305	91	867373	49.832	ug/l	99
79) 2-Chlorotoluene	11.366	91	533674	50.024	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	659043	52.562	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	68777	44.606	ug/l #	86
82) 4-Chlorotoluene	11.457	91	621616	50.402	ug/l	99
83) tert-Butylbenzene	11.719	119	658746	54.263	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	652154	51.868	ug/l	100
85) sec-Butylbenzene	11.890	105	796186	53.169	ug/l	100
86) p-Isopropyltoluene	12.012	119	680662	54.169	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	353940	50.682	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	356155	49.168	ug/l	97
89) n-Butylbenzene	12.335	91	562671	51.681	ug/l	99
90) Hexachloroethane	12.542	117	109198	53.738	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	353468	51.523	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	61060	55.394	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	222109	56.055	ug/l	99
94) Hexachlorobutadiene	13.725	225	89943	55.875	ug/l	95
95) Naphthalene	13.780	128	796103	56.460	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	224599	56.436	ug/l	95

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

