

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052722\
 Data File : VX029041.D
 Acq On : 27 May 2022 22:36
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: May 27 23:40:25 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

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/31/2022
 Supervised By : Mahesh Dadoda 05/31/2022

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	262154	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	440088	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	398432	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	201052	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	165540	46.066	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	92.140%		
35) Dibromofluoromethane	5.391	113	147263	51.073	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	102.140%		
50) Toluene-d8	8.653	98	518864	47.730	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.460%		
62) 4-Bromofluorobenzene	11.079	95	205548	50.623	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	101.240%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	147533	42.979	ug/l	99
3) Chloromethane	1.288	50	134890	41.726	ug/l	99
4) Vinyl Chloride	1.374	62	151585	43.511	ug/l	100
5) Bromomethane	1.605	94	135265	55.518	ug/l	99
6) Chloroethane	1.679	64	101414	46.038	ug/l	100
7) Trichlorofluoromethane	1.886	101	241352	43.453	ug/l	98
8) Diethyl Ether	2.136	74	96607	47.734	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.325	101	142481	48.747	ug/l	99
10) Methyl Iodide	2.453	142	167311	47.813	ug/l	96
11) Tert butyl alcohol	3.020	59	212216m	279.203	ug/l	
12) 1,1-Dichloroethene	2.319	96	130460	48.084	ug/l	96
13) Acrolein	2.239	56	76462	129.633	ug/l	97
14) Allyl chloride	2.666	41	212412	48.813	ug/l	97
15) Acrylonitrile	3.069	53	451110	260.550	ug/l	99
16) Acetone	2.386	43	368307	238.811	ug/l	97
17) Carbon Disulfide	2.514	76	257180	36.567	ug/l	100
18) Methyl Acetate	2.703	43	208400	53.951	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	537434	55.819	ug/l	99
20) Methylene Chloride	2.788	84	159624	49.334	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	146882	48.062	ug/l	94
22) Diisopropyl ether	3.764	45	486609	52.328	ug/l	94
23) Vinyl Acetate	3.721	43	2050435	255.771	ug/l	98
24) 1,1-Dichloroethane	3.611	63	281673	52.102	ug/l	99
25) 2-Butanone	4.562	43	605734	250.217	ug/l	99
26) 2,2-Dichloropropane	4.477	77	196143	46.273	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	185842	52.066	ug/l	95
28) Bromochloromethane	4.904	49	97117	42.678	ug/l	97
29) Tetrahydrofuran	5.007	42	389967	247.822	ug/l	96
30) Chloroform	5.099	83	309534	52.904	ug/l	98
31) Cyclohexane	5.477	56	219061	43.918	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	269924	52.845	ug/l	98
36) 1,1-Dichloropropene	5.696	75	206917	47.778	ug/l	99
37) Ethyl Acetate	4.715	43	232541	51.408	ug/l	99
38) Carbon Tetrachloride	5.684	117	229131	52.572	ug/l	98
39) Methylcyclohexane	7.385	83	238664	48.054	ug/l	98
40) Benzene	6.044	78	633895	50.929	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	129658	53.459	ug/l	95
42) 1,2-Dichloroethane	6.092	62	230434	50.192	ug/l	100
43) Isopropyl Acetate	6.342	43	370101	52.298	ug/l	98
44) Trichloroethene	7.129	130	179971	53.315	ug/l	100
45) 1,2-Dichloropropane	7.434	63	165409	53.265	ug/l	99
46) Dibromomethane	7.586	93	120091	51.783	ug/l	97
47) Bromodichloromethane	7.824	83	236811	55.001	ug/l	97
48) Methyl methacrylate	7.696	41	180149	52.697	ug/l	94
49) 1,4-Dioxane	7.678	88	84651	991.204	ug/l	97
51) 4-Methyl-2-Pentanone	8.580	43	1196143	256.608	ug/l	98
52) Toluene	8.720	92	416835	52.061	ug/l	97
53) t-1,3-Dichloropropene	8.982	75	244239	49.303	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	264976	54.694	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	181451	55.577	ug/l	97
56) Ethyl methacrylate	9.116	69	283355	57.312	ug/l	94
57) 1,3-Dichloropropane	9.311	76	297958	54.108	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.245	63	576637	238.223	ug/l	97
59) 2-Hexanone	9.433	43	900235	248.578	ug/l	96
60) Dibromochloromethane	9.525	129	187927	59.020	ug/l	96
61) 1,2-Dibromoethane	9.610	107	188183	54.878	ug/l	100
64) Tetrachloroethene	9.275	164	156824	52.122	ug/l	96
65) Chlorobenzene	10.080	112	461740	54.628	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	180084	60.144	ug/l	100
67) Ethyl Benzene	10.195	91	811210	53.544	ug/l	98
68) m/p-Xylenes	10.305	106	633151	107.343	ug/l	99
69) o-Xylene	10.647	106	315110	54.261	ug/l	100
70) Styrene	10.659	104	540785	57.343	ug/l	98
71) Bromoform	10.805	173	133938	53.833	ug/l #	99
73) Isopropylbenzene	10.964	105	828871	54.364	ug/l	99
74) N-amyl acetate	10.848	43	304749	50.848	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	279332	53.403	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	249121m	52.909	ug/l	
77) Bromobenzene	11.201	156	205014	56.829	ug/l	98
78) n-propylbenzene	11.305	91	938938	53.239	ug/l	98
79) 2-Chlorotoluene	11.366	91	576079	53.294	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	706570	55.616	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	76118	48.365	ug/l	93
82) 4-Chlorotoluene	11.457	91	667883	53.446	ug/l	100
83) tert-Butylbenzene	11.719	119	720355	58.563	ug/l	97
84) 1,2,4-Trimethylbenzene	11.756	105	711112	55.818	ug/l	100
85) sec-Butylbenzene	11.890	105	863730	56.926	ug/l	99
86) p-Isopropyltoluene	12.012	119	739398	58.075	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	387596	54.776	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	390695	53.232	ug/l	98
89) n-Butylbenzene	12.335	91	612277	55.503	ug/l	99
90) Hexachloroethane	12.543	117	118696	57.650	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	383613	55.187	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	62722	56.159	ug/l	97
93) 1,2,4-Trichlorobenzene	13.591	180	249063	62.036	ug/l	99
94) Hexachlorobutadiene	13.725	225	100374	61.540	ug/l	94
95) Naphthalene	13.780	128	887199	62.099	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	251092	62.270	ug/l	96

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

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