

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061722\
 Data File : VX029553.D
 Acq On : 17 Jun 2022 20:04
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/20/2022
 Supervised By : Mahesh Dadoda 06/20/2022

Quant Time: Jun 18 00:48:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 08 03:00:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	158041	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	266766	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	279581	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	174498	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	130321	54.323	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 108.640%			
35) Dibromofluoromethane	5.391	113	112847	49.759	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 99.520%			
50) Toluene-d8	8.652	98	408029	50.871	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.740%			
62) 4-Bromofluorobenzene	11.085	95	163543	52.103	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 104.200%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	108939	43.422	ug/l	100
3) Chloromethane	1.288	50	126774	47.346	ug/l	100
4) Vinyl Chloride	1.373	62	124517	44.808	ug/l	100
5) Bromomethane	1.599	94	48648	32.684	ug/l	98
6) Chloroethane	1.678	64	83018	73.552	ug/l	99
7) Trichlorofluoromethane	1.879	101	183089	45.212	ug/l	99
8) Diethyl Ether	2.135	74	79611	50.438	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.324	101	114489	46.906	ug/l	97
10) Methyl Iodide	2.452	142	107077	35.907	ug/l	97
11) Tert butyl alcohol	2.983	59	199899	316.744	ug/l	97
12) 1,1-Dichloroethene	2.318	96	110396	46.467	ug/l	98
13) Acrolein	2.239	56	40186	137.691	ug/l	97
14) Allyl chloride	2.666	41	190791	50.029	ug/l	94
15) Acrylonitrile	3.068	53	400625	266.439	ug/l	100
16) Acetone	2.385	43	328643	257.054	ug/l	97
17) Carbon Disulfide	2.507	76	240100	41.058	ug/l	100
18) Methyl Acetate	2.708	43	184701	54.529	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	453228	55.264	ug/l	99
20) Methylene Chloride	2.788	84	134337	47.051	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	122941	46.106	ug/l	98
22) Diisopropyl ether	3.769	45	409060	53.138	ug/l	98
23) Vinyl Acetate	3.727	43	1759627	275.722	ug/l	98
24) 1,1-Dichloroethane	3.611	63	233955	50.387	ug/l	99
25) 2-Butanone	4.562	43	555525	274.684	ug/l	98
26) 2,2-Dichloropropane	4.476	77	169519	51.211	ug/l	100
27) cis-1,2-Dichloroethene	4.495	96	154274	48.912	ug/l	95
28) Bromochloromethane	4.903	49	93915	51.453	ug/l	98
29) Tetrahydrofuran	5.013	42	365999	277.682	ug/l	94
30) Chloroform	5.098	83	252094	50.314	ug/l	99
31) Cyclohexane	5.470	56	195264	45.576	ug/l	95
32) 1,1,1-Trichloroethane	5.391	97	216181	50.080	ug/l	98
36) 1,1-Dichloropropene	5.696	75	171424	45.758	ug/l	99
37) Ethyl Acetate	4.720	43	208071	53.805	ug/l	99
38) Carbon Tetrachloride	5.684	117	175942	45.948	ug/l	98
39) Methylcyclohexane	7.384	83	213560	46.281	ug/l	93
40) Benzene	6.043	78	529607	47.486	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	115413	56.303	ug/l	94
42) 1,2-Dichloroethane	6.092	62	190382	49.142	ug/l	99
43) Isopropyl Acetate	6.348	43	324591	55.871	ug/l	99
44) Trichloroethene	7.128	130	144064	47.444	ug/l	90
45) 1,2-Dichloropropane	7.433	63	135917	49.569	ug/l	97
46) Dibromomethane	7.586	93	100097	50.392	ug/l	94
47) Bromodichloromethane	7.823	83	193453	51.600	ug/l	98
48) Methyl methacrylate	7.695	41	158443	54.224	ug/l	93
49) 1,4-Dioxane	7.671	88	84107	1118.985	ug/l	99
51) 4-Methyl-2-Pentanone	8.579	43	1061769	279.251	ug/l	99
52) Toluene	8.720	92	347159	48.490	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	204430	50.145	ug/l	100
54) cis-1,3-Dichloropropene	8.372	75	222678	52.905	ug/l	96
55) 1,1,2-Trichloroethane	9.152	97	150319	51.905	ug/l	98
56) Ethyl methacrylate	9.122	69	240665	57.121	ug/l	95
57) 1,3-Dichloropropane	9.311	76	243634	49.909	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	578920	282.839	ug/l	98
59) 2-Hexanone	9.433	43	839775	290.495	ug/l	96
60) Dibromochloromethane	9.524	129	147887	52.784	ug/l	97
61) 1,2-Dibromoethane	9.616	107	156461	50.652	ug/l	98
64) Tetrachloroethene	9.274	164	111529	42.062	ug/l	96
65) Chlorobenzene	10.079	112	372825	48.372	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.164	131	140338	52.312	ug/l	98
67) Ethyl Benzene	10.195	91	670193	49.478	ug/l	99
68) m/p-Xylenes	10.305	106	523209	99.838	ug/l	98
69) o-Xylene	10.646	106	263756	51.793	ug/l	99
70) Styrene	10.658	104	447280	52.627	ug/l	99
71) Bromoform	10.805	173	106037	55.653	ug/l	100
73) Isopropylbenzene	10.963	105	682582	49.688	ug/l	99
74) N-amyl acetate	10.847	43	279566	60.114	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	247368	53.355	ug/l	99
76) 1,2,3-Trichloropropane	11.243	75	213903m	52.482	ug/l	
77) Bromobenzene	11.201	156	161120	49.950	ug/l	97
78) n-propylbenzene	11.304	91	775612	49.755	ug/l	100
79) 2-Chlorotoluene	11.365	91	478186	49.812	ug/l	98
80) 1,3,5-Trimethylbenzene	11.457	105	584094	50.074	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.024	75	67190	51.212	ug/l	95
82) 4-Chlorotoluene	11.457	91	540309	48.761	ug/l	100
83) tert-Butylbenzene	11.719	119	584492	51.642	ug/l	96
84) 1,2,4-Trimethylbenzene	11.756	105	587039	50.987	ug/l	99
85) sec-Butylbenzene	11.896	105	717246	51.606	ug/l	99
86) p-Isopropyltoluene	12.012	119	600781	51.563	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	303585	49.315	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	304680	48.664	ug/l	97
89) n-Butylbenzene	12.335	91	515745	52.502	ug/l	100
90) Hexachloroethane	12.542	117	90766	48.999	ug/l	90
91) 1,2-Dichlorobenzene	12.335	146	303690	49.753	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.944	75	55795	57.862	ug/l	97
93) 1,2,4-Trichlorobenzene	13.591	180	195530	54.272	ug/l	98
94) Hexachlorobutadiene	13.725	225	72990	48.732	ug/l	97
95) Naphthalene	13.780	128	745507	58.630	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	192912	53.700	ug/l	96

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

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